Jitesh Pubreja

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EDUCATION

Punjabi University   Patiala, PB, IN
Ph.D. in Computer Science (Pursuing)   *Feb 2021 – Present*

Punjabi University   Patiala, PB, IN
Master of Computer Applications   *Aug 2014 – May 2017*

Punjab Technical University   Jalandhar, PB, IN
Bachelor of Computer Applications   *Aug 2011 – May 2014*

TECHNICAL SKILLS

Languages: Python, Typescript, Node.js, C#, Asp.NET, SQL (MySQL/Postgres/MSSQL), PHP, JavaScript, HTML/CSS, XML, SiGML
Frameworks: Flask, Flask-RESTful, Django, SQLAlchemy, Solarium PHP, Laravel, WordPress, Bootstrap
Developer Tools: Git, Docker, JASigning, Apache, Apache Solr, Redis, Gunicorn, Linux, VS Code
Platforms: Github, Bitbucket, Amazon Web Services, DigitalOcean, Linode, Heroku, Google Cloud Platform
Libraries: NLTK, clips/pattern, NumPy, pandas, openpyxl, jusText, Matplotlib
Others: Rest API, GraphQL, MongoDB, Elasticsearch, Jira, Jenkins, Jest

PASSIVE TECHNICAL KNOWLEDGE

Comfortable with: C, C++, Java, Angular, React, Next.js, Apache Cassandra

EXPERIENCE

Senior Fullstack Developer   Nov 2022 – Present
Blueaves E-Health Pvt. Ltd.   *Noida, UP, IN*

- Working as a **Senior Fullstack Developer** Responsible for Enhancing and Maintaining Existing Projects for Health Departments of Dubai and Africa.
- Working as a **Senior Fullstack Developer** for a New Project with Health Department of India.
- Refactoring and upgrading Tech Stack previously based on .NET to current open source technologies.
- Working as **Architect/Team Lead** for an Academic Project being developed under the MOU with an University.

- Revamped the Deployment Process using **CI/CD Pipelines**.

Backend Developer   Mar 2022 – Nov 2022
Dailyobjects   *Gurugram, HR, IN*

- Working as a **Backend Developer** Responsible for Enhancing and Maintaining Backend API catering an E-Commerce website, an Android App and an IOS App.
- Introduced new concepts of offers like Freebies, Bundles, Membership etc.
- Refactored and Enhanced Admin Panel Operations written in legacy code.
- Fixed mostly all long running issues with the **CI/CD Pipelines**.
- Revamped Invoicing, found and fixed multiple issues, some of which were in existance since the beginning.
- Increased overall performance of the website, with some of the API Calls/queries taking **600-700%** less time.
- Handled Devops, Introduced/ReIntroduced staging services to be in sync with Production Deployment.

Computer Programmer   Aug 2021 – Mar 2022
Punjabi University   *Patiala, PB, IN*

- Worked as a **Lead Developer** on Public Announcement System at Railway Stations using Indian Sign Language for Hearing Impaired People.
- Quickly learned new skills and applied them to daily tasks, improving efficiency and productivity.

Senior Software Developer (Full-Stack)   Feb 2020 – Aug 2021
KnowYourFood   *Gurugram, HR, IN*
- Developed **CI/CD Pipelines** and Backend APIs.
- Developed various **Data Ingestion Scripts and Tools** for Internal use.
- Lead an **Internal Audit** and **InfoSec** team to track down and patch Vulnerabilities in the code across the multitude of stacks used in the organization.

Senior Computer Scientist   Mar 2018 – Oct 2019
Punjabi University   *Patiala, PB, IN*
- Worked as a **Lead Developer** on Plagiarism Detection Tool for Indian Languages.

ACHIEVEMENTS & CERTIFICATIONS

- Presented **"Plagiarism Detection Tool for Indian Languages"** in NLP System Demonstrations during international conference on Natural Language Processing **(ICON 2020)** and also **published a paper** ⬈ for the same.
- Successfully worked with a team of 4 People on **"Plagiarism Detection Tool for Indian Languages"** for **Ministry of Electronics and Information Technology (MeitY)**, which is currently live for Punjabi and Hindi and is being circulated to various Universities.
- Presented **"Plagiarism Detection Tool for Indian Languages"** in NLP Software Contest during international conference on Natural Language Processing **(ICON 2018)** and also won **First Prize** for the same.
- Successfully coordinated and worked with a team of 7 People on **"Computerization of Punjabi University College Section"** as training project for MCA which is currently live within the University.
- Cleared **UGC NET** in **January 2017** (First Attempt).
- Scored **8.0 Bands** in **IELTS Academic** for the purpose of Evaluation of Language Skills (First Attempt).

PROJECTS

Indian Railways Announcement System in ISL ⬈ | *Python, Flask, Bootstrap, PostgreSQL, Docker, Apache, Gunicorn*
- Public Announcement System at Railway Stations using Indian Sign Language Synthetic Animations for Differently Abled Hearing Impaired People.
- Funded by Ministry of Social Justice and Empowerment, Government of India.

Shodhmapak ⬈ | *NLP, PHP, MySQL, Tesseract OCR, Apache Solr, Apache, Ubuntu*
- Plagiarism Detection Tool for Indian Languages.
- Funded by Ministry of Electronics & Information Technology, Government of India.

SiGML Designer ⬈ | *Python, Flask, Bootstrap, Docker, Apache, Gunicorn, Ubuntu*
- A Tool to design SiGML (Signing Gesture Markup Language) animations to be used with JASigning Player.

SiGML Documentation ⬈ | *Python, XML, DTD, Graphviz*
- An evolving repository used to host the progamatically generated documentation for SiGML (Signing Gesture Markup Language).

Recruitment Portal for MBSPSU ⬈ | *PHP, MySQL, Apache, Ubuntu*
- Recruitment Portal for The Maharaja Bhupinder Singh Punjab Sports University, Patiala.

Crawler for extracting text out of Webpages ⬈ ⬈ | *Python, Flask, Bootstrap, Justext, Docker, Apache, Gunicorn*
- This Crawler can be used to extract the text out of any webpage in the selected language.

Computerization of College Section, PUP ⬈ | *PHP, Laravel, Apache, Ubuntu*
- Computerization of College Section carried out for Punjabi University, Patiala.
- This includes the whole process from Applying for the New College to getting Approval for the same and everything in-between.

Flask Bootstrap Template ⬈ ⬈ | *Python, Flask, Bootstrap*
- A Simple Ready to go Bootstrap Template for Developing a Flask Based Website with Heroku.

Website for Punjabi Sahit Academy, Ludhiana ⬈ | *PHP, Apache, Ubuntu*
- A searchable website for the repository of Theses which were digitized to be used in Shodhmapak.