

Sparsh Jain

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EXPERIENCE

Wells Fargo

Bengaluru, KA

Software Engineer

Aug 2023 – Present

- Integrated DMS system with **AWS S3 bucket** through StorageGrid with custom metadata which is utilized for downloading and ingestion through DMS RESTful service.
- Identified and rectified multiple sev-1 and sev-2 Java and JavaScript vulnerabilities, enhancing security and stability.
- Adopted **Karate, Selenium and Cucumber** framework for BDD to automate testing and integrated the results with the Jenkins CI/CD pipeline which covered 90% test cases, reducing manual testing efforts significantly.

Program Associate

Jul 2022 – Aug 2023

- Migrated existing AngularJS web applications to **Angular** and improved the UI, enhancing the performance by 3 times.
- Contributed on **RESTful** endpoints for clicktrack and bestbets microservices in enterprise search ecosystem.
- Developed **password encryption utility** for encrypt and automate configuration password change reducing manual effort by 75%.

Intern Analyst

Jan 2022 – Jul 2022

- Collaborated with a team of 8 members to implement different features in Enterprise Search micro-services.
- Implemented Quality gates in **SonarQube** and performed **unit testing** with above 80% code coverage.

Summer Intern

May 2021 – Jul 2021

- Collaborated in a team of 7 interns in developing an ML model and web application to predict the **listing gains of an IPO**.
- Engaged in the complete software development life cycle using **ReactJs, RESTful APIs and RDBMS(Postgres)** including complete testing and deployment of website and ML model and achieved an accuracy of 98%.

ASCE-VIT

Remote

Freelance Web Developer

Dec 2020 – Jan 2021

- Developed a fully responsive website for ASCE-VIT that accomplished a 2 times increase in website traffic
- Worked on complete end to end development using **React, Bootstrap** and **Sass** including complete deployment.

X.Args

Remote

Web Development Intern

Jul 2020 – Sep 2020

- Collaborated with a team of 2 to develop the **full-stack website** (a job portal for medical professionals) with RESTful APIs using **NodeJs, MongoDB** for efficient data retrieval and manipulation and **ReactJS** for a fully responsive front-end.
- Successfully implemented an **admin console** for job monitoring and efficient customization of cron job schedules.

EDUCATION

Vellore Institute of Technology

Vellore, TN

Bachelor of Technology in Information Technology. CGPA - 9.40

Jul 2018 – May 2022

Dehradun Public School

Muzaffarnagar, UP

Higher Secondary (Class XII) in CBSE Board. Percentage - 95.4%

Apr 2016 – Mar 2018

PROJECTS

Cyber Bullying Detection | MERN stack, REST, JWT, CNN, Google Vision API

[Source Code](#)

- Built a full stack web application with RESTful APIs and responsive UI using React which can prevent vulgar posts and comments.
- Created a hybrid model with accuracy above 95% to detect cyber bully in text using CNN and KMeans Clustering for images. Utilized Google vision API to extract text from the infographics.

Order and Inventory Management System | Springboot, PostgresSQL, Eureka, Keycloak, Docker, Kafka

[Source Code](#)

- Created a modular e-commerce microservices using Spring Boot, employing PostgreSQL and MongoDB. Implemented Inter Process Communication and Netflix Eureka for efficient service building. Ensured security with Keycloak, OAuth 2.0.
- Designed API Gateway, established event-driven communication via Kafka, Dockerized the application for streamlined deployment.

Salary Predictor | ML, Python, Numpy, Pandas, scikit-learn, ReactJS, Flask, Ant Design

[Source Code](#)

- Engineered a machine learning model using to predict tech sector salaries. Conducted data cleaning, employed various ML algorithms, and optimized performance to 98% through hyper-parameter tuning.
- Designed a UI to take input to predict salaries & made a dashboard for graphical representation of salary trends by different factors.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++ , SQL (Postgres), JavaScript(ES5/ES6), Typescript, HTML, CSS

Frameworks: Angular, ReactJs, Next.js, SpringBoot, JPA, Node.js, Flask, MongoDB, REST API, GraphQL, Selenium

Libraries: Tailwind, Bootstrap, JQuery, Redux, Jest, Junit, Karate, Cucumber

Tools: Git, Docker, Bash Scripting, Azure, Webpack, Jenkins, Kafka, AWS S3

Additional Skills: Microservices, Documentum, Web Sockets, CI/CD, Agile, Unit Testing, BDD, AI/ML, Data Structures and Algorithms

CERTIFICATIONS AND ACHIEVEMENTS

Cloud Certified: Issued Azure Fundamentals in Oct. 2022 and Azure AI Fundamentals in Nov. 2022 by Microsoft.

Merit Scholarship: Awarded by VIT for the Academic year 2020-2021 and 2019-2020.

PROB-A-THON: Secured 1st place in the Wells Fargo's PROB-A-THON by delivering an innovative design solution for a specified topic.