

Kavish Boyal

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Experience

John Deere

Bangalore, India

SOFTWARE ENGINEER 1

May 2024 - present

- Tech Stack - Python, AWS, Databricks, PowerBI, Django, DjangoREST framework, JavaScript, React JS, MySQL.
- Designed and implemented APIs using AWS Lambda, EC2, and S3, enabling efficient data exposure and integration.
- Developed and maintained data dashboards using PowerBI and Databricks, providing valuable insights and data visualization.

ASM Technologies LTD

Bangalore, India

SOFTWARE ENGINEER

November 2021 - May 2024

- Client: CommScope, Product: Ruckus IoT controller. Working as a Full Stack Developer, Teck Stack - Python, MongoDB, Django, DjangoREST framework, React JS, Flask, MQTT.
- Scrum Master (Parallel Role):** Demonstrated strong project leadership by concurrently serving as a Scrum Master, fostering Agile principles and Scrum practices within team to enhance project delivery efficiency, team collaboration, and product quality.
- Optimized existing MongoDB queries which overall led to 70 percent more faster api response.
- Participated in company yearly hackathon and contributed by sharing idea which got integrated in product and resulted in heightened customer satisfaction and an elevated user experience.
- Led comprehensive Scale Testing initiative for critical core APIs and functions of the application, pinpointed performance bottlenecks and proposed strategic solutions.
- Optimized execution time of specific tasks by reducing execution time by 80 % using Celery and enhanced User experience.

Technical Skills

Programming Languages	Python, Java, JavaScript, HTML, SQL
Cloud Services	AWS(Lambda, EC2, S3)
Frameworks/Libraries	Django, ReactJS, Express.Js, NodeJS(JS RE), Flask, OpenSSL
Database	MongoDB, MySQL, PostgreSQL

Education

Indian Institute of Information Technology Kota (IIITK)

2017-2021

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Coursework

Undergraduate Data Structures and Algorithms, Operating Systems, Computer Organization and Architecture, Data Base Management, Object Oriented Programming, Information System and Security, AI/ML

Projects

IMAGE GENERATOR APP USING MERN STACK AND AI

- Developed an innovative image generation platform using ReactJS and Tailwind CSS for a responsive UI, integrated with the expressive capabilities of DALL-E API from OpenAI for dynamic image creation based on user prompts.
- Proficiently utilized the MERN stack (MongoDB, Express.js, React, Node.js) for robust data management and RESTful API integration

PORTFOLIO WEBSITE

- Developed a dynamic portfolio website using ReactJS to showcase my proficiency and creativity in web development.
- Designed a responsive user interface with React Hooks, React Icons, and Bootstrap for an engaging user experience.

ONLINE BANK SIMULATOR

- Developed an intuitive online Bank Simulator in Java, integrating Java Swing and AWT for a user-friendly graphical interface that emulates real banking experiences.
- Managed essential banking functionalities and database operations through MySQL.

RECOMMENDATION SYSTEM

- Developed a book recommendation system which uses both content based and collaborative filtering for results and enhances user experience with some extra features like "to read", "to recommend".
- Designed using HTML, CSS, Python, SQLITE3 and DJANGO.

PRISON MANAGEMENT SYSTEM

- Designed and developed a comprehensive Prison Management System as part of a DBMS course, centralizing information about prison staff, criminals, and criminal activities.
- Designed using HTML, CSS, PHP. Utilized MySQL for robust data management and potential future analysis.