

# Kavish Boyal

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## Experience

### ASM Technologies LTD

Bangalore, India

#### SOFTWARE ENGINEER

November 2021 - present

- Client: CommScope, Product: Ruckus IoT controller. Working as a Full Stack Developer, Tech 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.
- Worked on third-party integration, utilizing ReactJS for frontend development and Python Flask framework for API design. Implemented OpenSSL for secure certificate generation, ensuring a robust and secure connection between our product and third-party vendors.
- 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

<b>Programming Languages</b>	Python, Java, JavaScript, HTML, SQL
<b>Frameworks/Libraries</b>	Django, ReactJS, Express.js, NodeJS(JS RE), Flask, OpenSSL
<b>Database</b>	MongoDB, MySQL, PostgreSQL

## Education

### Indian Institute of Information Technology Kota (IIITK)

2017-2021

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

## Coursework

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

### 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.

### 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.

## Position of Responsibilities

- Orchestrated and guided a dynamic team of students as the Executive Head for Sphinx'2018, the prestigious Annual Tech Fest of MNIT, Jaipur).
- Led the School Scout Team as School Captain in National Jambooree of Bharat Scouts and Guides (2012, Jaipur).