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, Teck Stack - Python, MongoDB, Django, DjangoREST framework, React JS, Flask, MQTT.
- 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.
- Worked in a fast paced environment while resolving customer issues skillfully and maintaining focus on delivery timelines.

Technical Skills

Programming Languages	Python, Java, JavaScript, HTML
Frameworks/Libraries	Django, ReactJS, Flask, OpenSSL
Database	MongoDB, MySQL

Education

Indian Institute of Information Technology Kota (IIITK) *2021*

B.TECH IN COMPUTER SCIENCE AND ENGINEERING *CGPA: 6.1*

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

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

- Created an intuitive online Bank Simulator using Java, incorporating essential banking functionalities.
- Utilized Java Swing and Java AWT for building a user-friendly graphical interface, providing a realistic banking experience.
- Managed database operations with MySQL to ensure accurate and secure data storage.

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.

INSTITUTE WEBSITE

- Independently designed a captivating website for IIIT Kota, showcasing the institution's offerings and fostering a positive online presence.
- Utilized HTML, CSS, and JavaScript to craft an engaging and informative platform for students, faculty, and visitors.

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).