Mohit Soni

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EDUCATION

North Carolina State University (NCSU), Raleigh, NC — *Aug 22 – May 24*
Master of Computer Science — GPA: 3.9/4.0
Relevant Courses: Design and Analysis of Algorithms, Software Engineering, Database Management Systems

Guru Gobind Singh Indraprastha Institute of Technology (GGSIPU), Delhi, India — *Aug 16 - Sep 20*
Bachelor of Engineering in Computer Science — GPA: 3.7/4.0
Relevant Courses: Algorithms, Data Structures, Software Engineering, AI and Soft Computing, Data Science

TECHNICAL SKILLS

Languages/Framework: Java, C++, Python, R, Angular, React, Flutter, Rails, Ruby, Spring boot, JavaScript, TypeScript, HTML, Django, Rest API, Flask, Machine Learning, NLP

Databases: MySQL, Oracle, PostgreSQL, MariaDB, MongoDB

Tools: Git, Docker, Kubernetes, AWS, Azure, GCP, Slack, Jenkins, Discord

WORK EXPERIENCE

Software Engineering Intern – Toshiba Global Commerce Solutions, Durham, NC — *May 23 - Present*

- Redesigned the performance testing plan of Toshiba's Point of Sale (POS) solution in the retail marketplace to boost their performance by 13%, which leads to fast message consumption, resulting in more orders per hour on average.
- Troubleshot and resolved technical issues, completing an average of 10 fixes per week to ensure uninterrupted system functionality.
- Collaborated with cross-functional agile development team to meet project deadlines, contributing to the successful completion of 3 major software releases.

Full Stack Developer - Infosys Pvt. Limited**,** Pune, India — *Nov 20 - Apr 22*

- Developed applications using Spring Boot and Angular to automate vendor payment confirmation processes and generate alerts for SLA breaches, resulting in minimized delinquency risk and a 15% reduction in complaints.
- Integrated API services from third-party vendors to streamline the payment process, boosting system performance and reducing response time by 20%.
- Deployed payment applications on AWS, GCP, & Azure clouds, achieving 99.99% uptime in all deployments.
- Automated the process of deploying regular updates across five development teams to reduce manual efforts by 30%.

Software Developer Intern – Hind Computers, Dehradun, India — *Jun 19 - Jul 19*

- Developed and implemented an advanced machine learning model to classify student data with 90% accuracy, enhancing decision-making capabilities for the team.
- Conducted extensive exploratory data analysis on a dataset of 55K records, effectively identifying and classifying over 2K distinct variables with 90% accuracy.
- Evaluated performance metrics of six different models to determine the most optimal solution, selecting the best model that significantly improved user experience.

PROJECTS

Full stack web and mobile application | FoodBuddy — *Oct 23*

- Co-created FoodBuddy, an app inspired by the challenges of international and dorm-based college students, addressing kitchen inventory management, recipe recommendations, and community connections.
- Developed a user-friendly cross-platform solution using React for the frontend and Django for the backend, integrating NLP techniques for recipe recommendations.
- Contributed to a sustainable and socially connected college experience by reducing food waste and fostering student connections, demonstrating a commitment to addressing real-world issues.

Database design of a Spotify or Apple Music application | WolfMedia — *Jan 23*

- Designed a large-scale relational database schema for a music and podcast application based on given requirements.
- Implemented a service layer in Java to interact with the MariaDB database using its JDBC driver.

EXTRACURRICULAR

Winner of HackNC & Smart India Hackathon — *2023, 2019 & 2018*

- Developed a web app to verify and list multiple startups, reducing manual verification time by 40%.
- Enhanced algorithms to predict future sales with 95% accuracy based on historical data from similar startups.
- Integrated image processing and map marking algorithms to detect and diagnose images, a 10% reduction in FP's.