

VEETRAG NAHAR

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EDUCATION

The University of Iowa, Iowa City, USA

August 2023 - December 2024

Master of Computer Science

GPA: 4.04/4

IPS Academy, Institute of Engineering and Science, India

August 2019 - May 2023

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.5/10

- **Achievement:** Earned the "Overall Performer of the Year" Award for the 2022-23 session, out of 2500+ fellow students.

EXPERIENCE

Software Engineer Intern | CRST The Transportation Solution, Inc., USA

June 2024 - Present

- Developed the [CRST Driver F1rst](#) app using Flutter and Dart, delivering value to **2,500+** active users across Google Play and App Store while demonstrating SDLC expertise in Agile with Jira, Bitbucket, Swagger, and Codemagic.
- Engineered the Inbox feature, integrating messaging, news, and polls functionalities to enhance communication between administration and drivers, resulting in a **40%** engagement boost.
- Introduced the Operational and HR Documents features, delivering a digital solution for drivers to access documents, achieving a **100%** paperless shift, and streamlining administrative tasks.

Software Developer [Research Assistant] | The University of Iowa, USA

January 2024 - May 2024

- Led a team of **4** in developing a web application for sentiment analysis and topic modeling, achieving a **95%** accuracy rate by optimizing algorithms with Python, Django, and NLTK.
- Streamlined data processing pipelines by **30%** using Python, Apache Spark, and the OpenAI API, ensuring data integrity and reducing project timelines by **20%**.
- Enhanced insights extraction and decision-making by implementing interactive data visualizations with JavaScript, React.js, and D3.js, while managing data storage and retrieval with MySQL.

Software Development Engineer Intern | Wappgo IT Services Pvt. Ltd., India

July 2021 - December 2021

- Spearheaded a team of **6** to develop [Legal251.com](#), serving **10,000+** customers, by implementing features like a document generator, client portal, and live chat using React.js, Node.js, HTML, CSS, and Cloudflare.
- Leveraged AI-driven analytics and RESTful APIs to boost data processing efficiency by **35%** and increase user retention by **20%**, while implementing a scalable modular architecture.

Software Developer Intern | Shrinkcom Software Pvt. Ltd., India

January 2021 - June 2021

- Programmed a robust transaction management system utilizing Java, Spring Boot, MySQL, and Azure Virtual Machines (VMs), achieving a **99.9%** uptime rate and ensuring reliable multi-step processing.
- Strengthened system reliability by implementing automated rollback, auditing, and recovery using Azure Functions, Logic Apps, and Monitor, leading to more efficient data handling and improved system performance.

PROJECTS

Online Exam Portal | JavaScript, Java, Tailwind CSS, HTML

- Directed the development of an exam portal serving **4,000+** students, with real-time analytics, SSO, and customizable quizzes.
- Increased engagement by **35%** and cut setup time by **40%** through optimized UI and streamlined workflows.

Self-Driving Car | C++, OpenCV, Machine Learning, Raspberry Pi, Arduino Uno

- Orchestrated a team of **4** to develop a self-driving car with real-time traffic signals, symbol recognition, and obstacle avoidance.
- Elevated safety with **90%** algorithm accuracy through precise model-based design and sensor integration.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, C#, C/C++, Dart, HTML, CSS
- **Frameworks/Tools:** React.js, Node.js, TypeScript, Flutter, Spring Boot, Tailwind CSS, Bootstrap, REST API
- **Databases:** MySQL, MongoDB, PostgreSQL, DBeaver
- **DevOps:** Azure, AWS, Git/GitHub, Docker, Codemagic, Jenkins