Bhupani Mounika

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Education

Vellore Institute of Technology AP   *Aug 2021 – May 2026*
Integrated M.Tech CSE   **CGPA** - *8.54*

Sri Chaitanya College   *June 2019– July 2021*
M.P.C   **Percentage** - *96.3%*

Projects

Automated Bus Scheduling   *github.com*
- ◦ Launched automated bus scheduling system utilizing Node.js, Express.js, MongoDB, CSS, and Bootstrap, adhering to MVC architecture, which improved on-time arrival rate by 15% across all routes
- ◦ Integrated an edit feature for manual adjustments, enhancing scheduling flexibility and control, resulting in a 50% reduction in scheduling conflicts.

Wealth Management Solution   *github.com*
- ◦ Built a financial tracking system using ReactJS, Node.js, Firebase, Chart.js, and Bootstrap for expense logging, savings goals, reports, and data visualization.
- ◦ Enabled secure, one-click authentication via Google Sign-Up, decreasing user login time by 60% and boosting successful logins by 35%, leading to a more streamlined onboarding experience.

Malware classification using deep learning models   *github.com*
- ◦ Designed a malware classification system using Python, TensorFlow, and PyTorch, leveraging ResNet50 (99% accuracy), CNN (94.60% accuracy), and MobileNetV2 (Train Accuracy: 96.58%) for improved detection.
- ◦ Achieved 99% accuracy with ResNet50, significantly enhancing overall classification performance and reliability on the Malimg dataset.

Identification Medicinal Plants Using Image processing   *github.com*
- ◦ Created an image recognition system with ReactJS, Flask, Bootstrap, and deep learning models to identify medicinal plants, displaying names, uses, and descriptions.
- ◦ Trained a CNN model, achieving 95% accuracy in medicinal plant identification, improving the efficiency of plant classification.

Job Portal Application   *github.com*
- ◦ Established a job portal using Node.js, Express.js, CSS, and MongoDB, reducing manual job searching time by 50% and streamlining employer-job seeker connections.
- ◦ Enabled companies to post job listings and manage applications efficiently, optimizing the hiring process and improving user experience.

Technologies

Programming Languages: C++, Java, Python

Databases: SQL/NoSQL databases (MySQL, MongoDB), JDBC

DevOps & Tools: Git, GitHub, CI/CD (Jenkins), Linux, Maven, Docker, kubernetes

Frameworks: MERN stack (MongoDB, Express.js, React, Node.js)

Hackathons

- Secured 4th position in 24-Hour Great India Hackfest 2024 hosted by CSI Chapter VIT-AP on 9th March 2024
- Secured a 2nd position in the National-Level Hackathon held at NRI Institute of Technology on 13 December 2024