

Bhupani Mounika

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Education

Vellore Institute of Technology AP

Integrated M.Tech CSE

Aug 2021 – May 2026

CGPA - 8.73

Sri Chaitanya College

M.P.C

June 2019– July 2021

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
- Implemented manual adjustment feature for automated bus scheduling system, decreasing scheduling conflicts by 50% and reducing passenger complaints related to scheduling errors by 40%.

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: Python, Java, Sql

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

DevOps & Tools: Git, CI/CD Pipelines, Linux, Maven, Kubernetes

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

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