# SUPRIYA HEGDE

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## SUMMARY

Enthusiastic and detail-driven Computer Science graduate skilled and experienced in modern technologies like Python, React, and MySQL, with a strong grasp of software lifecycle and agile methodologies. Passionate about creating scalable digital solutions, streamlining workflows, and continuously growing in tech environments.

## SKILLS

- Web Development: ReactJS, AngularJS, HTML, Django
- Programming Languages: Python, Java
- Machine Learning & Data Science: Scikit-learn, TensorFlow, MATLAB, Pandas, NumPy
- GUI Development: PyQt5
- Database Management: MySQL
- Tools & Platforms: GitHub, Visual Studio, Canva

## EXPERIENCE

Web Development Intern, Metricdust LLC (Apr 2025 - Jul 2025)

- Developed an AI-powered web application tailored for students.
- Executed frontend development using React.js and Lovable, enhancing UI/UX design.
- Conducted component testing to ensure functionality across multiple devices and scenarios.

## EDUCATION

(Dec 2021 -May 2025)

Bachelor of Engineering in Computer Science

Visvesvaraya Technological University, India - 3.6 GPA

## PROJECTS

**BiometricWatermarking using Deep Learning**

Developed a biometric watermarking system embedding fingerprint data into iris images for secure, keyless authentication. Implemented DWT, DCT, and SVD techniques to ensure robust watermarks resistant to attacks. Designed for future use in digital IDs, medical records, and copyright protection to enhance security.

**Real-Time Social Media Analytics Pipeline**

Developed a real-time data processing framework for social media analytics. Implemented sentiment analysis, text clustering, and topic modeling techniques. Deployed the trained model using Flask API. Used Grid Search and Cross-Validation to optimize model performance.

**Brain Tumor Detection using Machine Learning**

Developed an ML model using Convolutional Neural Networks (CNNs) to classify brain tumors from MRI scans. Implemented image preprocessing techniques with OpenCV. Built an interactive GUI using PyQt5 to allow users to load images and get predictions.

**Movie Ticket Booking System**

Designed a database-driven movie ticket booking system using MySQL and Django. Implemented CRUD operations and authentication for users.