

Avinash Gupta Suggiseti

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GITHUB | LINKEDIN

Skills

Languages: Java, Python, JavaScript, Basic SQL, HTML, CSS.

Technologies & Tools: AWS, EC2, DynamoDB, S3, SQS, Machine Learning, Artificial Intelligence, Natural Language Processing, Pandas, NumPy, Matplotlib, Seaborn, Tableau, UI/UX, Blender 3D.

Education

Vellore Institute Of Technology (VIT) – Amaravathi, Andhra Pradesh.

Aug 2021 - Jun 2025

B.E. in Computer Science and Engineering with specialization in AI and ML.

CGPA: 8.41/10

Relevant Coursework: Object Oriented Programming, Database Management Systems, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning, Natural Language Processing, Design Analysis of Algorithm, Operating System, Problem Solving Using Python, Software Engineering.

Project Work

Mitigation Of Animal Accidents On Roads:

- Developed an object detection system using ESP32-CAM micro controller and Single shot MultiBox Detector (SSD) algorithm to detect animals on roads and warn the drivers in advance. [PROJECT REPORT.](#)

Music Genre Classification:

- Developed a sophisticated music genre classification system leveraging deep learning methodologies and multi-modal data integration. [PROJECT REPORT.](#)

Deep Learning Fundus Image Analysis For Early Detection of Diabetic Retinopathy:

- Led the development of an advanced deep learning system aimed at automating the detection and classification of Diabetic Retinopathy (DR) stages using retinal fundus images. [PROJECT REPORT.](#)

Engineered a Software News App with a Focus on User Experience and Scalability:

- implemented Model-View-ViewModel (MVVM) architecture for efficient separation of UI, business logic, and data access.
- Integrated third-party libraries such as Retrofit for network requests and Room for local database management to ensure robust and scalable app performance. [PROJECT REPORT.](#)

Awards and Certificates

- [Externship program Artificial Intelligence & Machine Learning in collaboration with Google.](#)
- [AWS Certified Solutions Architect Associate-Training.](#)

Work Experience

- Western Music Club, Designer** Designed promotional materials and event visuals for a prominent Western music club, enhancing brand identity and event experiences.
- Peer Mentoring Club** Served as a dedicated peer mentor for 1 year, providing guidance and support to fellow students