

K SAI SURYA SUBHASH

Visakhapatnam, Andhra Pradesh

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Education

GITAM University

B.Sc. in Computer Science Engineering

2022 – Present

Visakhapatnam, Andhra Pradesh

Ascent Jr College

Intermediate

2020 – 2022

Visakhapatnam, Andhra Pradesh

Siva Sivani Public School

7th–10th (ICSE)

2016 – 2020

Visakhapatnam, Andhra Pradesh

Skills

Languages/Frameworks: Python, Java, JavaScript, C, React.js, Express.js, Django, HTML, CSS

Databases: MongoDB, MySQL, PostgreSQL

Data Science & Tools: Pandas, NumPy, Matplotlib, TensorFlow, Scikit-learn, Jupyter

Testing & QA Tools: Familiar with Selenium, Postman, Jenkins (basic knowledge), Unit Testing, Integration Testing

Cloud/DevOps: Git, AWS (Amazon Web Services)

Soft Skills: Data-driven decision making, process improvement, client engagement, risk assessment, agile teamwork

Internship Experience

Python Foundation Intern

Jun 2025 – Jul 2025

Finsol Consultancy

- Architected a **role-based user management system** in Django, cutting admin processing time by 30%.
- Produced detailed **technical documentation** and enforced process adherence.
- Strengthened **session handling**, reducing unauthorized access incidents by 90%.
- Enhanced scalability by 3× through optimized queries, caching strategies, and automated testing.

AI/ML Intern

Apr 2025 – May 2025

EduNet by AICTE

- Engineered **fraud detection models** for credit card transactions, improving investigative accuracy by 92%.
- Reduced false positives by 18% through advanced feature engineering and model validation.
- Applied **data preprocessing, model tuning, and validation** using Python, Scikit-learn, and Pandas.
- Delivered insights that enabled stakeholders to mitigate financial risks effectively.

Web Development Intern

Oct 2024 – Dec 2024

Infosys Springboard

- Launched a **health-tracking app** (React.js, Express.js, MongoDB), increasing student engagement by 30%.
- Accelerated page performance by 45% using optimized queries and API tuning.
- Enhanced **UI/UX with responsive design**, boosting client satisfaction by 40%.
- Worked in an agile team, adhering to version control best practices.

Projects

Handwritten Digit Recognition (MNIST) | Python, TensorFlow, Keras

Aug 2025

- Currently developing a CNN to classify digits from MNIST dataset with target accuracy of 98%.
- Constructing layers (**Convolution, Pooling, Dense, Softmax**) in TensorFlow/Keras.
- Testing **hyperparameters, optimizers, and dropout layers** to minimize overfitting.
- Planning to visualize predictions and misclassifications for deeper insights.

Lost and Found Website (FoundIT) | MERN Stack

Feb 2025 – Mar 2025

- Deployed a secure portal for 100+ students with **JWT authentication and OTP validation**.
- Accelerated issue resolution by 50% and student participation by 30%.
- Designed MongoDB schemas and implemented REST APIs for smooth frontend–backend communication.
- Executed unit and integration testing, ensuring 100% data privacy compliance.

Speech-to-Text & Text-to-Speech Converter | Python, Google API

Nov 2024 – Dec 2024

- Designed a bi-directional speech–text converter, improving accessibility for differently-abled users by 35%.
- Leveraged **Google Speech API** for reliable transcription with 95% accuracy.
- Integrated a user-friendly interface with error handling and validation.