

# K SRI DATTHA SHIVA KUMAR

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GitHub

Portfolio

## SUMMARY

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Entry-level Full Stack Developer with practical experience in both frontend UI development and backend API implementation. Proficient in HTML, CSS, JavaScript, React, and Python frameworks for building responsive, data-driven applications. Experienced in database integration, security implementation, and collaborative Agile development. Looking for a Full Stack role to contribute to scalable and user-focused solutions.

## TECHNICAL SKILLS

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- **Languages:** Python, JavaScript, SQL, Git
- **Databases:** MySQL, SQLite
- **Libraries/Frameworks:** React.js, CSS, Django, FastAPI
- **Deployment & Monitoring:** Docker, GitHub Actions
- **Developer Tools:** VS Code, PyCharm, Docker, GitHub, Jupyter, Canva, AWS, GCP
- **Visualization:** Power BI, Seaborn, Matplotlib, Excel

## EXPERIENCE

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### Intern at Parmy Technologies ↗

Dec 2024 - May 2025

#### Role – Python full Stack Intern

Hyderabad, Telangana

- Built a cloud security application to detect insider threats related to privilege escalation.
- Developed backend APIs using FastAPI to process access logs and serve machine learning predictions.
- Implemented ensemble machine learning models including LightGBM, Random Forest, AdaBoost, and XGBoost, achieving up to 97% detection accuracy.
- Trained and evaluated models using a customized CERT dataset to simulate real-world cloud access behavior.
- Designed mitigation logic using role-based access control and privilege management policies

### Intern at Ecil ↗

Dec 2019 - May 2020

#### Role – Electrical Engineer Intern

Hyderabad, Telangana

- Learned theoretical and practical skills by attending classes and workshops on specific job aspects
- Using mitigation logic using role-based access control and privilege management policies
- Shadowed supervisor and senior staff to learn a wide range of simple and complex techniques.

## PROJECTS

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### Crime Type & Occurrence Prediction ↗ | Python, Dagshub, FastAPI, Docker, AWS, MLflow

- Built a predictive analytics system to forecast crime categories and their likelihood of occurrence using historical crime data.
- Developed and evaluated classification models including Random Forest and XGBoost to predict crime types.
- Performed data cleaning, preprocessing, and feature engineering on temporal and location-based attributes.
- Visualized crime trends and hotspot patterns using charts and heatmaps to support data-driven insights.

### Criminal Face Detection ↗ | Python, Numpy, Pandas, XGBoost, Matplotlib, Seaborn, Deep learning

- Developed an image and video-based facial recognition system for identifying individuals.
- Enabled real-time processing of video streams for detection and alerting.
- Implemented face detection and recognition pipelines using OpenCV and Haar cascade classifiers.
- Integrated pre-trained models to match facial features against stored profiles.

### E-Digital Class Work ↗ | HTML, CSS, Javascript, PHP, MySQL

- Developed a web-based academic management system with user authentication and authorization.
- Created responsive UI components and dynamic forms for assignments and submissions.
- Implemented backend logic for data storage, grading workflows, and notifications.

## **EDUCATION**

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- **Osmania University** 2023 – 2025  
Master of Science – Computer Science **CGPA - 7.2** Hyderabad, Telangana
- **Osmania University** 2020 – 2023  
Bachelor in Computer Science – **CGPA - 8.4** Hyderabad, Telangana

## **ACHIEVEMENT (IN PROGRESS)**

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- Developing a donation platform for YUVA, integrating Razorpay and Stripe payment gateways with automated PDF invoice generation and email notifications to improve donor experience and operational workflows.

## **CERTIFICATIONS**

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- Generative AI Master Mind – Outskill(2025)
- Databases and SQL for – HackerRank (2024)
- Python Full Stack – Unique Computers (2024)
- Machine Learning Using Python – Simplilearn(2024)
- JavaScript –Udemy(2024)

## **SOFT SKILLS**

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- Problem Solving
- Analytical Thinking
- Communication
- Adaptability
- Team Collaboration
- Time Management

## **ADDITIONAL INFORMATION**

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- **Personality Development:** Completed training under Harvard Mentor Management, focusing on leadership, Communication
- **Languages:** English, Telugu, Hindi
- **Creative Skills:** Video Editing, Canva Designing, Poster Making
- **Interests:** Cricket, Listening Podcasts, Public Speaking
- **Availability:** Immediate