DYAVANAPELLY GOUTHAMRAJU

★ Python Specialist

github.com/Goutham296

Python Developer | AI & ML Engineer | 8639264132 | gouthamraj044@gmail.com

linkedin.com/in/goutham-raj-40080a20b

CONTACT

- 8639264132
- gouthamraj044@gmail.com
- Gandhinagar, Sircilla 505301

★ PYTHON & CORE SKILLS

Python ●

- Pandas • NumPy • Matplotlib
- scikit-learn • TensorFlow
- Selenium • BeautifulSoup
- Flask / REST APIs
- Jupyter Notebook

OTHER TECH SKILLS

- Artificial Intelligence
- Machine Learning
- HTML & CSS • JavaScript
- MySQL
- MuleSoft • AnyPoint Studio
- Postman • Git

EDUCATION

B.Tech – AI & ML (CSM)
St. Peter's Engineering College
CGPA: 7.98 | Mar 2024

Intermediate
Sri Chaitanya Junior College
83% | Mar 2020

SSC
Rainbow English Medium HS
CGPA: 9.3 | Mar 2018

LANGUAGES

- English
- Hindi
- Telugu

HOBBIES

- Playing Cricket
- Reading Books

PERSONAL INFO

DOB: 06/04/2002 | Male

CAREER OBJECTIVE

Highly motivated Python developer and AI/ML engineer with a B.Tech in Artificial Intelligence & Machine Learning (CGPA 7.98) from St. Peter's Engineering College, Hyderabad. Proficient in the full Python ecosystem — TensorFlow, scikit-learn, Pandas, NumPy, Selenium, BeautifulSoup, Flask, and Google APIs. Hands-on internship experience building production-grade Python REST backends, automated web-scraping pipelines, and deep learning models with 93–99% accuracy. Proven achiever: 1st at IIT Hyderabad ANTRA Hackathon (Rs.50,000 prize), 1st at National Level Smart India Challenge, and 1st at Annual Technical Fest Project Expo. Seeking a Python developer role to build impactful AI/ML products within a high-performance engineering team.

INTERNSHIP EXPERIENCE

Python Intern **Treffersource Technologies** *Jan 2026 – Mar 2026 | Remote*

- **Google Sheets API (Python):** Engineered a Python backend using openpyxl to parse multi-sheet Excel workbooks, validate and transform records, then batch-upload to Google Sheets API v4 with service-account OAuth2 authentication for secure, credential-free deployment.
- **Flask REST API + React:** Designed Python/Flask RESTful endpoints consumed by a React.js frontend; enabled real-time Excel-upload-and-sync workflow eliminating 100% of manual data-entry effort for the client's operational reporting process. Documented endpoints using Postman.
- **Web Scraping – Selenium + BeautifulSoup:** Automated extraction of case numbers, party names, hearing dates, and judgement statuses from Madhya Pradesh High Court and Supreme Court portals using headless ChromeDriver and BeautifulSoup; serialised structured JSON for React dashboard.
- **Testing & Code Quality:** Authored pytest unit tests achieving 85%+ code coverage across all Python modules; enforced PEP-8 standards and maintained Git feature-branch workflow with peer-reviewed pull requests for all code changes.

PROJECTS

1. Plant Disease Identification – Deep Learning (Python · TensorFlow · CNN · Flask · NumPy)

- Built a custom CNN in TensorFlow 2.x/Keras (Conv2D, BatchNorm, Dropout) for 38-class plant disease classification; preprocessed 87,000+ images using NumPy normalisation and Keras augmentation — achieved ~96% validation accuracy, reducing overfitting by 18%.
- Exported trained .h5 model and deployed via Python Flask REST API for real-time leaf-image disease detection; integrated with a web frontend to deliver actionable crop health insights directly applicable to precision agriculture use cases.

2. Duplicate Seeds Identification – Deep Learning (Python · MobileNetV2 · OpenCV)

- Applied transfer learning (MobileNetV2 pretrained on ImageNet) with OpenCV preprocessing and scikit-learn cosine similarity scoring on a custom dataset of 5,000+ seed images; achieved 93%+ identification accuracy for agricultural quality control automation.
- Packaged Python inference engine as a clean callable module integrated with a React mobile-friendly frontend for real-time on-device seed quality inspection.

3. Ensemble-Based DDoS Attack Detection (Python · scikit-learn · XGBoost · Pandas)

- Built a scikit-learn VotingClassifier (Random Forest + XGBoost + SVM) on CIC-DDoS2019 dataset (50,000+ records); full feature engineering in Pandas/NumPy with SMOTE oversampling — GridSearchCV tuning achieved 99.1% accuracy, <0.5% false-positive rate.
- Visualised attack patterns and model performance using Matplotlib and Seaborn: ROC-AUC curves, confusion matrices, and feature importance rankings for evaluation reporting.

ACCOMPLISHMENTS & AWARDS

- **ANTRA Hackathon – 1st Place & Rs.50,000 (IIT Hyderabad, 2023):** Developed a Python AI/ML prototype selected among the Top 20 of 200+ competing teams at ANTRA HACKATHON by IRMA-ISEED & Tihan IIT Hyderabad; delivered a live end-to-end Python demo showcasing ML inference.
- **Project Expo – 1st Position (Annual Technical Fest, St. Peter's):** Awarded 1st place for a Python deep learning solution with quantifiable accuracy metrics and a clean modular codebase; evaluated by faculty judges and visiting industry professionals.
- **Smart India Challenge – 1st, 9th National Level (Medhanvesh 2023, BVRIT Hyd):** Led a Python/ML team to 1st place at the national-level Students Tech Fest organised by BVRIT Hyderabad College of Engineering for Women, competing against 50+ institution teams.

CERTIFICATIONS & PARTICIPATION

- **Python & ML Workshop – St. Peter's Engineering College (Aug 2022):** Completed intensive 2-day workshop on Python, Pandas, NumPy, Matplotlib, and scikit-learn for building end-to-end ML pipelines; jointly by Dept. CSE/IT & AIML, attended by 150+ students.
- **CODE HUNTER – SPECFIESTA'24, Annual Technical Fest (Feb 2024):** Competed in a Python algorithmic coding contest — solved DSA, dynamic programming, and string manipulation problems within strict time limits; ranked among top college performers.
- **Hack-Z Hackathon – Edwisely & Osmania Technology Business Incubator (Oct 2023):** Developed a Python Selenium web-scraping and Matplotlib data-visualisation prototype for a smart-city use case in a 24-hour competitive hackathon at Osmania University TBI, Hyderabad.
- **Paper Presentation – AQUILA-2022, Annual Technical Fest (May 2022):** Authored and delivered 'Python Applications in ML' covering model selection, cross-validation, evaluation metrics, and deployment strategies to an audience of 100+ students and faculty.
- **Poster Presentation – 75th Independence Day (Aug 2022):** Exhibited a Python data science research poster to college management, visiting industry guests, and 200+ students at St. Peter's Engineering College technical exhibition.

I hereby declare that all information provided is true and accurate to the best of my knowledge.
Dyavanapelly Gouthamraju