SATHVIKA K P

+91 9444425100 — sathvikaprabahar3108@gmail.com
LinkedIn: Sathvika Prabahar — GitHub: sathvika318

Education

B. Tech in Artificial Intelligence and Data Science
St. Joseph's College of Engineering, 2022 - Present
CGPA: 8.72/10.0

Skills

- **Programming:** Python
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn
- **ML/AI:** Scikit-learn, TensorFlow, CNNs, EfficientNet, YOLO
- **Tools:** Git, GitHub, Jupyter, VS Code
- **Other:** Data Preprocessing, Feature Engineering, Deployment, API Integration

Projects

- **Brain Tumor Detection using EfficientNet** [GitHub]
  - Built and trained a CNN (EfficientNetB0) to classify MRI scans into glioma, meningioma, pituitary tumor and healthy tissue.
  - Implemented normalization, augmentation and segmentation-aware preprocessing to address low contrast and class imbalance.
  - Evaluated with sensitivity, specificity, precision, recall, F1-score and ROC-AUC, achieving accuracy comparable to radiological benchmarks.
- **Loan Prediction System** [GitHub]
  - Developed ML model to predict loan approval using applicant features such as income, credit history and dependents.
  - Performed preprocessing: missing value handling, categorical encoding and feature scaling.
  - Compared Logistic Regression, Random Forest and XGBoost, selecting best model via cross-validation.
  - Achieved strong accuracy and interpretability, with credit history and income as key predictors.

Leadership

- **LinkedIn Manager** – Dept. of AI & DS, SJCE
  - Managed department LinkedIn page, posting events, news and achievements to boost engagement.
- **Coordinator** – Data Verse Symposium, SJCE
  - Organized national-level symposium, handling logistics, speaker coordination and participant outreach.

Experience

- **Software Developer Intern** – LCS Controls Pvt Ltd
  - Built a PyQt5 desktop app with calculator and secure login functionality.
  - Integrated Qt Designer components in PyCharm, enhancing usability and maintainability.

Certifications

- NPTEL – Programming in Java
- NPTEL – Database Management System
- NPTEL – Python for Data Science
- UDEMY – Python and Django Framework

Achievements

- **Winner – SHE CAN CODE:** 1st place in coding event, demonstrating programming and problem-solving skills.