PRAVEENKUMAR S

+91 9786680233 ◊ Devakottai, Tamil Nadu

praveenkumar.ksuresh@gmail.com ◊ linkedin.com/in/praveenkumarsuresh5201 ◊ github.com/praveenkumarsuresh5201

PROFESSIONAL SUMMARY

Results-driven Software Developer and AI/ML Engineer with hands-on experience building scalable web applications and machine learning solutions. Demonstrated ability to deliver production-ready projects using React, Java, and Python. Passionate about solving real-world problems through AI, with proven success in deploying deep learning models and cloud-based applications.

SKILLS

Programming	Java, Python, SQL
Web Development	HTML, CSS, JavaScript, ReactJS, PHP
AI & Machine Learning	TensorFlow, Scikit-learn, Deep Learning, Neural Networks
Data Analysis & Visualization	Pandas, NumPy, Matplotlib, Power BI
Databases	MySQL
Cloud & DevOps	Microsoft Azure, CI/CD, Docker
Tools	Git, Jupyter Notebook, VS Code, Eclipse
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Adaptability

EDUCATION

Dr. N.G.P Institute of Technology, Coimbatore | B.Tech - Artificial Intelligence and Data Science | 2021 – 2025 | CGPA: 8.14
Infant Jesus Matric Hr Sec School, Devakottai | HSC (12th Grade) | 2020 - 2021 | 87.84%
Infant Jesus Matric Hr Sec School, Devakottai | SSLC (10th Grade) | 2018 - 2019 | 89.2%

PROFESSIONAL EXPERIENCE

Cloud Development Intern (Azure, Server Deployment, Automation)
Centillion Labs | Mar 2024 – Jun 2024

- Collaborated on Azure-based cloud development projects, contributing to scalable server deployments and automation pipelines.
- Streamlined deployment processes, reducing manual configuration time by approximately 25%.
- Developed and tested cloud automation scripts, enhancing system reliability.

Data Science & Machine Learning Intern (Python, Pandas, Scikit-learn)
SkillVertex | Jan 2023 – Feb 2023

- Built predictive machine learning models using Pandas, Matplotlib, and Scikit-learn.
- Improved data visualization accuracy by developing custom dashboards, enhancing stakeholder insights.

PROJECTS

Voice Disorder Detection Using Deep Learning (Python, CNN, MFCC, React)

- Designed and deployed an AI model to detect voice disorders using MFCC, Glottal Features, and TQWT techniques.
- Achieved 94% model accuracy, improving disorder detection efficiency.
- Developed an interactive web interface using React for user-friendly analysis.

Handwritten Digit Classification (Python, CNN, TensorFlow, Deep Learning)

- Developed a CNN achieving 98% accuracy, outperforming traditional models by 10%.
- Implemented model training, testing, and visualization pipelines using TensorFlow.

Web-Based Ticket Booking System (Java Servlets, MySQL, PHP, Full Stack)

- Engineered a web-based booking system using Java Servlets, PHP, and MySQL.
- Optimized database queries to improve booking speed and reliability for multiple users.

Travel Partner Finder Platform (ReactJS, REST API, Front-End Development)

- Built a responsive travel partner platform using ReactJS and REST APIs.
- Implemented dynamic search and booking features, improving user engagement.

ACHIEVEMENTS

- 3rd Place – Technical Paper Presentation on Swarm Intelligence, Sri Eshwar College of Engineering (2023)

CERTIFICATIONS

- Data Science – SkillVertex (2023) — Data Preprocessing, Model Deployment
- Machine Learning – University of London (Coursera, 2023) — Supervised, Unsupervised Learning, Neural Networks