

Abunesh R P

AI & Data Science Engineer — Full-Stack Developer

 Abunesh126 |  abunesh-r-p-803677278 |  abunesh2006@gmail.com |  +91 9042845355

ABOUT ME

A passionate B.Tech AI & Data Science student with expertise in Full-Stack Development, Machine Learning, . Experienced in building innovative AI solutions . Enthusiastic about emerging technologies and committed to solving real-world problems through AI and engineering innovation. Strong foundation in multiple programming languages and frameworks with hands-on project experience.

CORE EXPERTISE

- Artificial Intelligence & Machine Learning
- Full-Stack Development

EXPERIENCE

Web Development Intern - Nandha Infotech 2024

- Gained hands-on experience developing responsive web applications using React.js, Laravel, and MySQL
- Implemented CRUD operations, optimized forms, and improved UI/UX with responsive design
- Utilized version control with Git/GitHub for collaborative development workflow

KEY PROJECTS

Project Title	Year
<ul style="list-style-type: none">Focus on real-world applications and emerging technologies with practical implementationBuilt end-to-end AI systems from concept to deployment with measurable impact	
Full-Stack Developer (Academic & Personal)	2023 - Present
<ul style="list-style-type: none">Built responsive web applications using React, TypeScript, and Flask with modern frameworksSpecialized in creating clean UI/UX designs and integrating ML models with web interfacesExperience in both frontend and backend development with focus on scalable architecture	

PROJECTS

DOVE - Speech to Sign AI GitHub | 2024

Revolutionary AI system converting speech to sign language using deep learning models. Implemented LSTM and CNN architectures for real-time gesture recognition and translation. Addresses accessibility challenges for deaf and hard-of-hearing communities through cutting-edge technology.

CLAVE: Military Aviation AI Smart India Hackathon | 2024

Advanced surveillance and target classification system developed during the prestigious Smart India Hackathon 2024. Leveraged Micro Doppler radar analysis, signal processing, and machine learning for high-accuracy drone and aircraft detection. Integrated multi-sensor inputs (radar and computer vision) for enhanced real-time defense applications, showcasing innovation in military aviation and air defense technology.

HydroWatch - Water Quality AI

Environmental Tech | 2024

AI-powered water monitoring solution integrating IoT sensors and machine learning for real-time water level analysis, quality assessment, and predictive maintenance. Designed to enhance smart city infrastructure and promote environmental sustainability.

Smart Bike Position Detector

Personal Project | 2023

Intelligent bike sitting position notification system using sensors and AI. Detects and alerts riders about optimal positioning for safety and comfort. Demonstrates practical application of IoT and machine learning in everyday transportation.

EDUCATION

2022 - 2026

B.Tech in AI & Data Science at Engineering College

(3rd Year Student)

Focus: Machine Learning, Deep Learning, Data Analytics, and AI Applications

Strong academic performance with hands-on project experience

PERSONAL DETAILS

Nationality: Indian

Status: 3rd Year B.Tech Student

TECHNICAL SKILLS

Programming Languages	Python, Java, C++, JavaScript, TypeScript, HTML/CSS, SQL
AI & Machine Learning	TensorFlow, PyTorch, Scikit-learn, OpenCV, LSTM, CNN, Computer Vision, NLP
Data Science & Analytics	Pandas, NumPy, Matplotlib, Seaborn, Jupyter, Data Visualization
Web & Cloud Technologies	React.js, Node.js, Flask, FastAPI, Laravel, AWS, Docker, MongoDB, MySQL
Databases & Tools	MySQL, MongoDB, PostgreSQL, Git/GitHub, VS Code, PyCharm
Specializations	AI Applications, Data Science, , IoT,Deep Learning

CERTIFICATIONS & ACHIEVEMENTS

Academic Certifications	Introduction to Data Science, Machine Learning Fundamentals Advanced Python for Data Science, Artificial Intelligence Basics
Professional Development	Web Development Certification, Full-Stack Development Database Management, Cloud Computing Fundamentals
Hackathon Achievements	Smart India Hackathon 2024 Participant Innovation in Defense Technology and AI Applications

PROFESSIONAL AVAILABILITY

Available for internships, collaborative projects, and entry-level positions in AI/ML, Data Science, and Software Development. Open to remote opportunities and eager to contribute to innovative technology solutions. Currently seeking summer 2025 internships and project collaborations.