Ayush Kumar

SOFTWARE DEVELOPER

Professional Summary

Motivated and disciplined Computer Science student with a strong foundation in machine learning and data structures & algorithms. Known for a hardworking and determined approach to problem-solving , with a keen interest in integrating technical expertise with business acumen in sales and management. Avid and flexible learner seeking opportunities to contribute to innovative projects while continuously expanding skill sets across both technical and managerial domains.

Work Experience

Project Manager, MADAD GURU foundation, Greater Noida

10/2024 - 01/2025

Leveraged technical and financial expertise to drive impactful initiatives for the Madad Guru Foundation, focusing on education, women empowerment, and community development.

Education

**Bachelor of Technology, Computer Science ,
Bennett University, ESTD. by The Times Group, Greater Noida**

12th Standard, Ryan International School, Greater Noida

10th Standard, Ryan International School, Greater Noida

PERSONAL PROJECTS

MyYogi- Smart Yoga Mat

Developed an AI-powered smart yoga mat that provides real-time, personalized workout guidance via pressure sensors and audio feedback.

Lit-MU - Smart Home Energy Monitoring System

Engineered an IoT-based system to monitor real-time energy usage, providing insights and recommendations to optimize home energy consumption.

Smart Traffic Management System

Designed an AI-driven system using real-time camera and sensor data to dynamically adjust traffic signals and minimize urban congestion.

Plantlify- Plant Health Monitoring

Created a mobile application using AI and image recognition to monitor plant health, diagnose diseases, and provide real-time care recommendations.

TradeStream- Investment Platform

Built a multi-asset investment platform that delivers real-time data tracking and AI-powered predictive insights for stocks, crypto, and gold.

Personal Details

SP-1102, Omaxe palm Greens
Greater Noida, 201310
INDIA
9315246678
ayushkumarwork2554@gmail.com

DATE OF BIRTH

25th May 2004

Links

GitHUB

linkedIn

Skills

Intermediate Java

C++

Machine learning

SQL

Netlify

MongoDB

NodeJS

HTML

Git | GitHub

CSS

NLP

Computer Vision

Data Structures

API

Reinforcement Learning

UI/UX design - Figma

Ability to Work Under Pressure

Team leadership

InfraGOV – AI-Driven Consultancy Builder Management System

Developed an AI-driven management system to streamline government infrastructure projects by optimizing resource allocation and project timelines.

ACHIEVEMENT

SMART INDIA Hackathon (08/2025-10/2024)

Selected for the 2nd round 3 rounds in Smart India Hackathon 2024, our team worked on two hardware-focused projects: redesigning a conventional aerospace component to enhance air vehicle efficiency and develop an AI powered yoga mat integrated with a smartwatch for personalized health monitoring

Innovate Hackathon (01/2025-01/2025)

Innovate by Microsoft Selected in the screening round by Microsoft for the Hackathon 2025, our project focused on developing a Smart Home Energy Monitoring System using IoT to optimize energy consumption. This, along with other innovative projects, showcased our expertise in both software and hardware solutions

CERTIFICATIONS

1. *NGO Startup Analysis with Nonprofit Business Model Canvas*
2. *Foundations of Digital Marketing and E-commerce*
3. *Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization*
4. *Natural Language Processing with Classification and Vector Spaces*
5. *Initiating and Planning Projects*
6. *C++ Object Basics: Functions, Recursion, and Objects*
7. *Machine Learning with Python*
8. *Foundations: Data, Data, Everywhere*
9. *Introduction to Intellectual Property*
10. *Fundamentals of Digital Image and Video Processing*
11. *Digital business - Act on the digital world*
12. *Algorithmic Toolbox*
13. *The Bits and Bytes of Computer Networking*
14. *Supervised Machine Learning: Classification*
15. *Unsupervised Machine Learning*
16. *Digital business - Grow on digital world*
17. *Fundamentals of Network Communication*
18. *Simulation and modeling of natural processes*
19. *Patent Law*
20. *Introduction to Computers and Operating Systems and Security*
21. *Foundations of Project Management*
22. *Exploratory Data Analysis for Machine Learning*
23. *Data Structures*

Hobbies

- Reading
- Podcasts
- Computer hardware
- Football
- Pool/Snooker
- Business Analytics

Languages

ENGLISH

HINDI

Soft Skill

- Adaptability
- Communication
- Problem Solving
- Teamwork
- Leadership
- Time Management
- Critical Thinking
- Creativity

Coding Profiles

Solved

- 130+ Problems in Leetcode
- 50+ Problems in GFG
- 50+ on other Platforms