Shubham Kumar Sharma

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Summary

B.Tech IT student with hands-on experience in **AI/ML**, **Generative AI**, and **Cloud Computing**, backed by certifications from **AWS**, **IBM**, and **Cisco**. Skilled in **Python**, data preprocessing, and building ML models, with experience in deploying AI solutions on **AWS SageMaker**. Passionate about automation, AI development, and creating scalable, production-ready systems.

Education

Engineering College, Ajmer, B.Tech in Information Technology	*CGPA: 9.06/10.0* (Marksheet) *Coursework:* Computer Architecture, Data Structure and Algorithms, Computational Theory, Computer Networking	Sept 2023 – Sept 2027
AWS AI & ML Scholars – Future AWS AI Engineer Nanodegree (Scholarship) Sponsored by Amazon Web Services (AWS) in collaboration with Udacity *Selected among 1,500 scholars globally from 50,000+ applicants; Coursework in Machine Learning, Generative AI, AWS SageMaker, and Bedrock*	August 2025 - Ongoing
Government Moinia Islamia Sr. Sec. School, Senior Secondary	*Percentage: 91%*	2021 – 2023

Technical Skills

Languages: Python, C, Java, React Native, SQL	**Frameworks:** Spring, SpringBoot, React Expo
AI/ML Tools: AWS SageMaker, Bedrock, Jupyter Notebook, TensorFlow, PyTorch	**Data/Cloud:** APIs, Data Scraping, Data Cleaning, MySQL, PostgreSQL, IBM Cloud, AWS
Web/Other: HTML, CSS, JavaScript, Git, GitHub, Microservices	**Tools:** IntelliJ IDEA, VS Code, Git, GitHub, Docker, Postman, Maven

Experience

IBM SkillsBuild AI and Cloud Technologies Intern, Edunet Foundation – Remote   July 2025 – Aug 2025

- Engineered and deployed a **multiclass classification model** achieving **95.8% accuracy** using **Batched Tree Ensemble (Snap Random Forest)** in IBM Watsonx.ai Studio.
- Applied **feature engineering, class balancing, and hyperparameter tuning** to optimize model performance.
- Automated the **data processing pipeline** (Pandas, Scikit-learn) for seamless ingestion, cleaning, training and evaluation.
- Designed a **prototype decision support tool** to accelerate applicant classification by **70%** for government benefit distribution.

Projects

Expense Tracker - Full-Stack Mobile Application (In Progress)   Github

- **Tools Used:** React Native, Expo Router, Firebase, Cloudinary, React Native Reanimated.
- Developed a cross-platform mobile app for iOS & Android using React Native, featuring real-time data sync with Firebase and cloud image storage with Cloudinary.
- Implemented secure user authentication and profile management using Firebase Authentication.
- Engineered a real-time database solution with Firebase Firestore for instant data sync across devices.
- Built a dynamic statistics module with charts to visualize weekly, monthly, and yearly spending habits.

NSAP-ELIGIBILITY-PREDICTOR   Github

- **Tools Used:** Python, Pandas, Scikit-learn, IBM Watsonx.ai Studio
- Developed a multi-class classification model in IBM Watsonx.ai Studio to predict NSAP pension scheme eligibility with 95.8% accuracy using Batched Tree Ensemble (Snap Random Forest)

Student Assistant Bot (Discord)   Github

- **Tools Used:** Python, discord.py, REST APIs, dotenv
- Created a smart Discord bot to assist students with academic tasks such as timetable management and homework reminders

- Integrated REST APIs for motivational quotes and notes retrieval
- Implemented scheduled messaging for task reminders

Certifications

- AWS AI & ML Scholars – Future AWS AI Engineer Nanodegree (Scholarship), **Udacity & Amazon Web Services (AWS)**, 2025
  Selected among 1,500 scholars globally from 50,000+ applicants; Focus: ML, Generative AI, AWS SageMaker, Bedrock
- AWS Educate Machine Learning Foundations – AWS, 2025
- Python Essentials 1 & 2 – Cisco, 2025
- Introducing Generative AI with AWS – Udacity, 2025
- Getting Started with Artificial Intelligence – IBM, 2025
- Machine Learning Specialization – DeepLearning.AI & Stanford University (Coursera), *In Progress*

Achievements

- Selected among top 1,500 scholars globally (from 50,000+ applicants) for the **AWS AI & ML Scholars – Future AWS AI Engineer Nanodegree (Scholarship)**, sponsored by Amazon Web Services (AWS) in collaboration with Udacity.
- Secured 3rd place in CODEWAR competition (C language MCQs, debugging, and web development).
- Top 5% selection in IBM SkillsBuild AI & Cloud Technologies Internship.
- Completed 150+ coding problems on multiple coding platforms.