

AMAN SAH

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INTRODUCTION

Bachelor of Computer Applications (BCA) graduate with strong interest in software development, cyber security fundamentals, and artificial intelligence-based applications. Hands-on experience in full-stack web development, data processing, and deep learning model creation. A motivated learner and problem solver with practical experience in real-world projects involving web technologies and machine learning systems. Seeking entry-level roles in software and web development, AI, or cybersecurity.

EDUCATION

Bachelor of Computer Applications (BCA) | 2022 – 2025 | Cumulative GPA: 9.1

Assam Don Bosco University, School of Technology

Higher Secondary | 2022 | 83.2%

Tinsukia English Academy (CBSE Board)

Secondary School | 2020 | 75.6%

Don Bosco High School (SEBA Board)

SKILLS

- **Web Development:** HTML, CSS, JavaScript, Bootstrap, ReactJS, NodeJS, ExpressJS
- **Databases:** MySQL / SQL, MongoDB
- **Programming Languages:** C, Java, Python
- **Core Tools:** Git, GitHub
- **AI/ML Tools:** TensorFlow/Keras, Librosa, NumPy, Pandas
- **Cyber Security (Basics):** Reconnaissance, Spoofing, Sniffing, Tracking using Kali Linux
- **Data Structures and Algorithms (Basics)**

CERTIFICATIONS

- Oracle AI Vector Search Professional (2025)
- Oracle Cloud Infrastructure – Data Science Professional (2025)
- Oracle Cloud Infrastructure – Generative AI Professional (2025)
- NPTEL (IIT Kharagpur) – Introduction to Internet of Things (Elite – 80%)

AWARDS AND ACHIEVEMENTS

- Most Innovative Project Award – AEC Class 88 Foundation (₹10,000 Scholarship)
- NER TECH Hackathon 2025 – Participant
- RBI90 Quiz 2024 – State Level Participant
- 1st Prize – Tug of War – Assam Don Bosco University

PROJECTS

- **ASTHMASENSE – Asthma Detection using AI ([GitHub](#))**
 - Developed an AI-based system to classify respiratory sounds as Normal or Asthmatic
 - Applied preprocessing techniques: noise reduction, segmentation, normalization
 - Extracted MFCC features and trained a CNN model for accurate classification
 - Improved skills in audio processing, deep learning, and healthcare AI
 - Designed a mobile application interface for uploading respiratory sound recordings
 - Technologies: Python, TensorFlow/Keras, Librosa, NumPy, Pandas
- **Safarnama – “Har Kadam Par Prakriti Ka Saath” ([GitHub](#))**
 - Designed and developed a dynamic eco-tourism web platform with responsive and user-centric interfaces
 - Implemented full-stack functionality by integrating MongoDB with backend services using node.js and express.js
 - Technologies: HTML, CSS, JavaScript, MongoDB, ReactJS, Node.js, Express.js
- **Spotify Homepage Clone ([GitHub](#))**
 - Created a front-end clone of Spotify’s homepage
 - Focused on proper layout, alignment, spacing
 - Technologies: HTML, CSS
- **Reconnaissance & Attack Simulation ([GitHub](#))**
 - Conducted controlled cybersecurity experiments on network attacks
 - Performed network scanning to detect active hosts and open ports
 - Used sniffing and spoofing techniques to analyze data packets
 - Developed understanding of attack detection and prevention methods
 - Technologies: Kali Linux, Wireshark, Sniffing & Spoofing tools

TRAINING

- **Cyber Security (Jan 2023 – Feb 2023)**
 - Learned fundamentals of cybersecurity, ethical hacking, and system vulnerabilities
 - Studied common attack methods and system protection techniques
 - Developed understanding of network safety and data protection
 - Offered By: Acmegrade in association with Mood Indigo, IIT Bombay
- **Data Structures and Algorithms (Mar 2023 – May 2023)**
 - Studied arrays, stacks, queues, linked lists, trees, and graphs
 - Practiced sorting and searching algorithms in C/C++
 - Strengthened problem-solving and logical thinking skills
 - Final Score: 71%
 - Offered By: Internshala Trainings
- **Database Technologies (Feb 2024 – Apr 2024) (200 Hours – Industry Oriented)**
 - Learned relational models, SQL queries, normalization, and DBMS concepts
 - Gained hands-on experience in data storage, retrieval, and management
 - Designed optimized database structures and queries
 - Offered By: NIELIT Guwahati (Ministry of Electronics & IT, Govt. of India)
- **Robotics Process Automation (Sep 2023 – May 2024) (30 Hours)**
 - Learned basics of process automation and workflow design
 - Applied automation concepts to repetitive digital tasks
 - Understood the role of RPA in improving productivity
 - Offered By: Assam Don Bosco University

PROFESSIONAL DEVELOPMENT

- Member - Service-Learning Programme
(Conducted awareness sessions on Cyber Safety, Digital Fraud, E-waste Management, Digital Literacy)
- One-day Workshop on AI Tools
(Hands-on exposure to modern AI-based tools and applications)