

# 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**

- Service-Learning Programme — Cyber Safety Awareness Sessions  
(Topics: Digital Fraud, E-waste Management, Digital Literacy)
- AI Tools Workshop — BE10X (2025)  
(Hands-on exposure to modern AI-based tools and applications)
- Cybersecurity Workshop — Trusnetix Technologies Pvt. Ltd. (2023)  
(Cybersecurity fundamentals: threats, protection and ethical practices)