Aman Jaiswal

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EDUCATION

VIT Bhopal University   Bhopal, MP
B.Tech in Computer Science; Minor in Cyber Security   *Expected May 2026*
  – GPA: 8.15 — Courses: Data Analysis, Algorithms, Operating Systems, Software Engineering, Cyber Security

National English School   Kolkata, WB
ICSE: 77%   —   ISC: 89.75%   *Jul 2016 – Jul 2017*

EXPERIENCE

Cyber Security Intern   Feb 2025 - Mar 2025
The Red Users (Remote)
  – Conducted hands-on vulnerability assessments using tools like Nessus and Burp Suite in a simulated enterprise network.
  – Executed penetration tests under expert guidance; documented 10+ threat vectors with remediation workflows.
  – Contributed to securing web applications by patching exposed endpoints and logging insecure access patterns.

PROJECTS

Agrify – Crop Recommendation System | *Feb 2025*
  – Designed and deployed a machine learning pipeline using **Random Forest and SVM** to recommend crops based on soil, temperature, and rainfall data.
  – Processed **2,200+ entries** from government and open datasets using Pandas, achieving a **91% classification accuracy** and F1-score of **0.89**.
  – Integrated **real-time weather data (OpenWeatherMap API)** and emulated IoT soil inputs to support location-based suggestions.
  – Visualized outputs using **Matplotlib/Seaborn**, displaying 30+ crop trends across 5+ Indian states.
  – Validated predictions across 3 soil types and 3 climate zones; reduced incorrect recommendations by **15.2%**.

SellingYaa – Full-Stack E-Commerce App | *Dec 2023*
  – Developed a scalable e-commerce web app using **React.js, Node.js, Bootstrap, Firebase** with routing, cart logic, and secure auth.
  – Built **20+ reusable frontend components**, integrated JWT-based login, order tracking, and product management.
  – Improved UX with lazy loading, form validation, and responsive design; **38% faster** load times.
  – Simulated payment gateway and managed session flow across users; tested with **120+ participants**, achieving **98.6% success rate**.
  – Scored **95+ on Lighthouse audits** for performance, accessibility, and SEO.

LEADERSHIP & INVOLVEMENT

Event Manager – iOS Club   Sep 2022 – Sep 2023
VIT Bhopal University   *Bhopal, MP*
  – Led end-to-end planning of a university-wide gaming event attended by 300+ students.
  – Coordinated 4 sub-teams, resolved live tech issues, and maintained event timing with 100% schedule adherence.

TECHNICAL SKILLS & CERTIFICATION

Languages: C/C++, Java, Python, JavaScript, HTML/CSS
Frameworks & Tools: React, Next.js, Node.js, Bootstrap, Firebase, Git, JMeter, Flask
Libraries: Pandas, NumPy, Matplotlib, Seaborn
Certifications: AWS Solutions Architect (ETHNUS), MERN Full Stack, MATLAB Onramp