

SAGNIK DUTTA

+91 84200 46508

sagnikdutta408@gmail.com

<https://www.linkedin.com/in/sagnik-dutta-367717261>

<https://github.com/sag2004-hub>

<https://sagnik-dutta-portfolio.vercel.app>

Kolkata, West Bengal, India.



SUMMARY

B.Tech CSE 3rd-year undergraduate at Sister Nivedita University with experience in full-stack development, IoT, and generative AI. As a Vice President of the Coding Ninjas Club, I lead collaborative development and mentor students. I specialize in building integrations between software applications and hardware systems, solving complex problems through efficient system design, technical skills, and a strong problem-solving approach.

EDUCATION

B.Tech CSE Sister Nivedita University Place: Kolkata	Aug 2023-Present
<ul style="list-style-type: none">CGPA : 9.00 SGPA : 9.04	
Higher Secondary G.S.M.S Taki Boys. Place: Kolkata	Aug 2021-May 2023
<ul style="list-style-type: none">Percentage: 80%	
Secondary The Scottish Church Collegiate School	Jan 2011 - Jun 2021
<ul style="list-style-type: none">Percentage: 89%	

PROFESSIONAL EXPERIENCE

Hackathon Experience:

- SIH 2025 | AspirePath:** Ranked Top 33 (Intracollege)
- OnChain Island - 2:47 Studio**
- InnoFusion 2025: Winner (IoT Track)** autonomous robot for fire suppression.
- Build in Aptos - Kolkata:** Developed "BartaOne"
- Hackfest SAP 2k25:** EcoXchange
- Visteon Hackathon 2025:** Secured Top 3
- GDG Solution Challenge 2025:** Vanish-Real time safety.
- SIH 2024 | Farm-Market:** Ranked Top 40 (Intracollege)

Leadership & Community Engagement:

- Vice President** | Coding Ninjas Club • SNU (Aug 2025 – Present)
- Campus Ambassador** | Repository (July 2025 – Present)
- Campus Ambassador** | GSSoC (June 2025 – Dec 2025)
- Volunteer (Core Team)** | WiT Dreamin' • Salesforce (Oct 2024)
- Community Contributor** | GSSoC (May 2024 – Aug 2024)
- Volunteer (Management Team)** | IIC Innovation Utsab (Jan 2024).

Internship Experience:

AWS DevOps Intern

Employability.life • Federation University Australia
Nov 2025 – Jan 2026

- Built AWS cloud infrastructure and automated deployments using CI/CD and IaC
- Improved deployment efficiency and scalability of applications
- Created and managed EC2 instances for application deployment
- Configured and maintained S3 buckets for secure data storage

Frontend Developer Intern

Oxytocin Labs • Bangalore
Jun 2025 – Aug 2025

- Developed responsive web app NetGenome using React.js
- Optimized UI performance and integrated REST APIs
- WEB3 Solana Wallet integration & secure transaction
- AI power Artist Matchmaking (GenAI API)

TECHNICAL SKILLS

Programming Languages Frontend Development Backend Development Databases

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none">CC++JavaPythonJavaScript | <ul style="list-style-type: none">HTMLCSSReact.jsTailwind CSSVite | <ul style="list-style-type: none">Node.jsExpress.jsREST API Development | <ul style="list-style-type: none">MongoDBMySQL, Firebase |
|--|---|---|---|

Cloud & DevOps

- AWS Cloud Services
- Git
- GitHub
- Vercel

Machine Learning & AI

- ML Algorithms
- Generative AI
- Data Science Basic

Hardware & IoT

- Arduino
- IoT
- Microcontrollers

Tools & Platforms

- Google Colab
- Jupyter Notebook
- Figma
- Canva

SOFT SKILLS

- Problem Solving
- Leadership & Mentorship
- Team Collaboration
- Communication Skills
- Agile Project Management
- Adaptability

ADDITIONAL INFORMATION

Certifications:

- Generative AI: Introduction and Applications – IBM
- AWS DevOps & Cloud Infrastructure – Employability.life
- Foundations of Data Structures & Algorithms – University of Colorado Boulder
- Introduction to DevOps – IBM
- React.js Web Development – Oxytocin Ventures
- Design Thinking – University of Virginia
- Hardware and Operating System Foundations – Illinois Tech
- Operating Systems: Concurrency – Codio

Languages:

1. English (Professional) , 2. Bengali (Native), 3. Hindi (Professional), 4. Spanish (Proficient).

Awards/Activities:

1. 4th Place – Inter-College Shark Tank Event, THK Jain College (2024)
2. 3rd Place – Inter-College Stress Interview Competition, THK Jain College (2023)
3. LIC Student of the Year (2014)