

Arnav Prashant Bule

SUMMARY

Driven tech enthusiast with hands-on experience in machine learning, cloud, and secure software development. Strong foundation in cloud security, IAM, and data protection. Led large-scale tech communities and delivered impactful solutions with a focus on privacy, secure coding, and operational integrity.

CONTACT

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- 📍 Pune, Maharashtra

SKILLS & TOOLS

- Programming Languages:** Python, C++
- Cloud Computing:** IAM, VMs, DBs, Cloud Security
- Data & Databases:** SQL, BigQuery
- Tools & Platforms:** AWS, Google Cloud Platform, GitHub, Wireshark, Metasploit,
- Operating Systems:** Linux, Windows
- Soft Skills:** Project Management, Communication, Teamwork, Leadership, Collaboration, Problem- solving

CERTIFICATIONS

- IBM Cybersecurity Specialization** Coursera
- Google Project Management** Professional Certificate
- Google Data Analytics** Professional Certificate
- Networking Basics** - Cisco Foundations
- DSA to Development** (Ongoing) - Geeks for Geeks
- Cloud Career Practitioner Certified for AWS & GCP**

ACTIVITIES

- Won **1000\$ Prize** at **Horizon AI Hackathon** hosted at **University of Miami** , USA
- Secured **Top 25** in the country in **College Youth Ideathon** at **IIT Delhi**
- Cloud Computing Club**
Vice President
- Viral Fission**
Campus Ambassador
- Codechef MITADT**
Management Executive
- Synapse AI Club MITADT**
Technical Team
- 5 Time Google Arcade Winner**

EDUCATION

- MIT Art, Design & Technology University** **2022-2026**
B.Tech in Computer Science Engineering | Pune, India
CGPA: 8.2
Graduation: May 2026
- J.K. College of Arts, Commerce & Science** **2020-2022**
Grade 12 | HSC | Pune, India
- Amanora School** **2020**
Grade 10 | CBSE | Pune, India
Score: 88.2%

LEADERSHIP AND TECHNICAL EXPERIENCE

- Web Development & AI/ML Intern** **Jan 2024 - June 2024**
Cyberlytics Technologies

- Participated in a summer internship program focused on advanced software development and machine learning.
- Developed and implemented an autoregressive model to analyze and forecast time series data, improving predictive accuracy for key business metrics.
- Optimized model performance to efficiently handle sequential data, resulting in a significant increase in forecasting precision and reliability.

- Cloud Computing Club** **July 2022 - April 2024**
Vice President

- Led a team of 55+ members to organize cloud computing workshops, seminars, and hands-on training sessions.
- Built and fostered a community of 600+ students, with 90% expressing interest in continued engagement through future cloud computing-focused initiatives.
- Demonstrated strong leadership and organizational skills, managing event logistics and ensuring smooth execution of large-scale events.

PROJECTS

- SickleSense – AI-Powered Sickle Cell Disease Detection Tool** **Jan 2024 - Present**

- Developed an AI tool for sickle cell detection from blood smears using CNNs (ResNet, PyTorch).
- Ensured patient data privacy through secure handling and anonymization.
- Built a Streamlit web app with secure uploads and access controls.
- Added model explainability and audit logging for transparent, traceable results.
- Worked with healthcare partners to align with ethical and data protection standards.

- Road Extraction On Satellite Images - SIH Project** **August 2024 - Jan 25**
(No. Of Group Members - 6)

- Developing software for automated road extraction using CNNs on ISRO's Resourcesat images from the Boonidhi portal.
- Built a GUI for specifying areas of interest and generating geographically referenced shapefiles, with email alerts for road changes based on image comparisons.
- Optimized for efficient processing of large satellite datasets.

- ERP Exerciser - Industry Project** **August 2024 - Dec 24**
(No. Of Group Members - 3)

- Developing ERPExerciser, a Brain-Computer Interface (BCI) application that leverages Event-Related Potentials (ERPs) to deliver real-time cognitive training, enhancing memory, attention, and executive functions in patients with cognitive impairments.