



# Aditya Birangal

Certified Cloud Engineer | Web3 | Flutter

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Passionate Full-Stack Web3 & Cloud Engineer with expertise in Flutter, Decentralized Identity (DID), and Verifiable Credentials (VC). Leading DevOps operations and winning global hackathons.

## EXPERIENCE

**Full Stack Engineer - Web3** 07/2023 - Present  
Impactility, Pune, India (Full Time)

- Launched a new Avalanche-based **L1 chain** and configured validator nodes on Testnet and Mainnet.
- Built **custom identity layers** integrating **DID, VC**, and **ZK Proofs**, and developed **Verifiable Credential** Issuer Portal, DID Resolver, and **Mobile Wallet** for on-chain credential workflows using the iden3 stack.
- Implemented **decentralized identity** infrastructure, deploying smart contracts across multiple blockchains.
- Developed **Battery Passport (DPP)** project leveraging DID & VC infrastructure for product traceability.
- Conducted hands-on exploration of **Polygon CDK** and **Polkadot Substrate** to evaluate scalability and cross-chain interoperability.
- Built backend services using **NestJS** and **TypeScript**
- Managing organization-wide DevOps operations.
- Tech Stack: **Web3**, Blockchain, DID/VC

**DevOps Intern** 02/2023 – 05/2023  
NielsenIQ, Pune, India (Internship)

- Created Jenkins pipelines for large-scale applications.
- Transferred pipelines from on-premise server to cloud.
- Worked on dockerization of an existing application.
- Tools: **Jenkins**, DevOps, AWS, **Azure**, Jira

**Research Intern** 05/2022 – 08/2022  
McGill University, Canada (Research)

- Developed a ClickAAC **Flutter app** for people with communication difficulties ([Apple App Store](#)).
- Implemented fully functional **Face Identification & Recognition** feature using **Azure Face API**.
- Implemented **REST API** to convert & generate words.
- Optimised Pictogram Algorithm, Debugged critical code.
- Completed **Mitacs GRI** in Canada's **Rank #1** University.
- Exposure: **Canadian Work Experience**, Flutter, Azure

**GitHub Extern** 06/2021 – 09/2021  
Palisadoes Foundation, USA (Open-Source)

- Developed an **open-source** project Talawa. A community management application
- Implemented QR-based attendee check-in & **push notification** and **analytics** functionality
- Tech Stack: **Flutter**/Dart, GraphQL, JavaScript, UI/UX

**GDSC Lead** 08/2020 – 07/2021  
Google Developer Student Club (Community)

- Led Community of **400+ students**.
- Organized **10+ Workshop/Sessions/Programs** on **Flutter**, Google Cloud, Android, Open Source, etc & Engaged & Motivated students to attend.
- Developed an official **website** for the club.
- Exposure: **Leadership**, Management, **Teamwork**

## EDUCATION

**MIT Academy of Engineering, Pune**  
B.Tech 2019 - 23 Information Technology **9 CGPA**  
**Resonance Eduventures, Kota**  
XII CBSE 2017 - 19 PCM with **Computer** **87%**  
**Jawahar Navodaya Vidyalaya, Ahmednagar**  
X CBSE 2012 - 17 PCMB **10 CGPA**

## CERTIFICATES

- **AWS Certified**: Associate Solutions Architect
- **Google Cloud Certified**: Associate Cloud Engineer
- **Microsoft Certified**: Azure Fundamentals
- Cloud Engineering with **Google Cloud Specialization**
- Complete **Flutter** Development

## SKILLS

**Programming** : C/C++, Java, JavaScript, TypeScript  
**Cloud & DevOps** : AWS, GCP, Azure, Docker, Jenkins  
**Frameworks**: Flutter, GraphQL, React  
**Database**: MySQL, MongoDB (SQL, NoSQL)  
**Tools**: Git, GitHub, Firebase, Jira  
**Soft Skills**: Leadership, Management, Communication

## ACHIEVEMENTS

- Winner at **Decentralized Identity** Foundation Hackathon
- Smart India Hackathon 2022 **Winner**
- Bronze Medallist in **IndiaSkills** Nationals Competition & **Silver Medallist** at regional competition in the 'Mobile Application Development' category
- **Runner Up** at **Azure Developer** League Hackathon by Microsoft & HackerEarth
- **Runner Up** at **AWS** Digital Innovation Hackathon
- Microsoft Learn Student Ambassador
- **Google Cloud Career Readiness Mentor**
- Speaker at App Development Workshop, GDG Pune Flutter Festivals, Flutter Bootcamp, etc
- **Mentor** at **Maharashtra Health Hackathon**

## PROJECTS

**AdiClass App** [Site](#) | [PlayStore](#)

- Developed a technology-driven platform to streamline college life with key features:
- Class Management, Digital signatures, Identity verification, Event Management, Club activities and real-time notifications
- Stack: **Flutter**, Dart, **Firebase**

**AmBook App** [Demo](#) | [Slides](#) | [LOR](#)

- Mrs. Prabha Kasliwal
- A centralized platform to bring all ambulances (Govt., NGOs, Private) under one roof.
  - Conducted user studies, surveys, SWOT Analysis, designed mock-ups
  - Developed an **ambulance Booking App** using Flutter & **Cloud Services**
  - Project secured Runner-Up position in AWS Hackathon

**Asset Trading Website** [Site](#) | [Slides](#)

- An **innovative**, one-of-its-kind platform to buy and sell **shares** and **trade in real estate** properties like land, flats, factory infrastructure, etc
- A new & safer investment category with strong returns.
- **Won** Microsoft Azure **Hackathon** with this project
- Tech Stack:
  - HTML, CSS, JavaScript, PostgreSQL, Django
  - Azure Database, App Service, Blob Storage

**Champool WebApp** [Play](#) | [Source Code](#)

- And Indian Ludo game for 4 players.