Aditya Shidhaye

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EDUCATION

- **Indraprastha Institute of Information Technology** — New Delhi, India
  Bachelor of Technology in Electronics and Communications Engineering; GPA: 8.26/10 — *Aug 2017 - May 2021*
- **Indian School Al Wadi Al Kabir** — Muscat, Oman
  High School; Score: 92.8% — *Aug 2014 - May 2017*

SKILLS SUMMARY

- **Programming Languages**: Java: ● ● ● ● ○ Python: ● ● ● ○ ○ Haskell: ● ● ○ ○ ○ C++: ● ● ○ ○ ○
- **Tools**: Springboot, GIT, JIRA, Matlab, XCode, LaTeX, Linux
- **Communication Languages**: English: ● ● ● ● ◑ Hindi: ● ● ● ● ○ Marathi: ● ● ● ● ◑ German: ● ○ ○ ○ ○

EXPERIENCE

- **Paytm** — New Delhi, India
  Software Engineer — *June 2021 - Present*
  - **Notification Adapter**:
    Notification Adapter is a new Java Springboot application written by 2 developers(colleague and myself) for the purpose of adapting the data (consumed from Apache Kafka message broker) from new payment system and sending it to legacy notification triggering system. It is able to handle upto 4000 transactions per second.
  - **Shopify Integration**:
    Integrated Shopify GraphQL payment notification endpoints for Paytm payment gateway to be able to onboard Shopify merchants onto Paytm payment solution.
  - **Data source migration**:
    Was integral in removing dependency on a legacy data source. This was done without any downstream system and notifications being affected. This dependency removal improved the overall stability of all services as millions of unnecessary network calls were avoided.

ACADEMIC PROJECTS

- **Speech to Text Conversion For Indian Regional Languages**:
  Guide: Dr. Pravesh Biyani
  Implemented speech to text conversion algorithms in Python using Hidden Markov Model and Deep Neural Network concepts using self-generated and external dataset.
- **Online News Article Popularity Prediction System**:
  Guide: Dr. Saket Anand
  Created and analysed machine learning models created using Support Vector Machines, Random Decision Forests and Neural Network. Dataset used was sourced from UCI Machine Learning Repository.
- **Graphics based Java Application**:
  Guide: Dr Shachi Sharma
  Created a snake vs block game using JavaFX framework and Object Oriented Design methodologies.
- **Sign Language to Audio Conversion Glove**:
  Guide: Dr. Aman Parnami
  Built a prototype for a glove using various components communicating using Arduino microcontroller and made an Android app which reads out the audio interpreted when performing actions of Indian Sign Language while wearing the glove.
- **Independent Study**:
  Guide: Dr. Sayan Basu Roy
  Did independent study in the topics of Online Optimization and Algorithms for Online Path Planning. This included studying and presenting various research papers from each of the mentioned topics.

Miscellaneous

- Performed at the Indian embassy in Muscat, Oman as part of high school Hindustani music orchestra on the Republic Day of India.

- Volunteered at Sankalp NGO to teach basic math and English to underprivileged children.