

PADAM CHOPRA

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EXPERIENCE

Application Developer Intern

AYOrents

📅 July 2019 – Sep 2019

- Designed and **implemented object schemas** in MongoDB.
- Achieved a **single codebase** for backend by creating a REST API using Node.js and Express.
- Created **custom Flutter widgets** to assist the **frontend** team.
- Allowed the application to make **asynchronous API calls** by writing Dart code.

Android App Developer Intern

Bharosa and Company

📅 Apr 2019 – May 2019

- Enabled migration to a **paperless invoice and client management** system by developing a native android app.
- Made the application more secure by using Firebase for authentication, real-time database and storage.
- **Reduced chances of human error** by automating invoice generation and profit calculation.

ACHIEVEMENTS

- **World Finalist in Microsoft Imagine Cup 2018.** Second-runners up and Best project for accessibility in the Indian Nationals.
- **Project Mentor** for Sustainable Computing Research Group in **Google Summer of Code 2018.**
- **Winner of CBSE National Science Fair 2018** - Biggest Science fair for high school students in India, with 450+ competing projects.
- **Grand Prize Winner of Google Code-in 2017.** Completed 71 tasks for SCoRe and was invited to Google HQ, Mountain View, USA.
- **Intel IRIS National Science Fair - Top 7** Medicinal health science projects in India.
- **Global Winner for DECA Idea Challenge 2016**, Global Entrepreneurship Week. Reused plastic bottle as a multi-purpose gardening tool and won USD 700.

EDUCATION

Bachelor of Computer Science

The University of Waterloo

📅 Sep 2019 – Aug 2024 (expected)

All India Secondary School Examination

Amity International School

📅 Graduated: May 2019

Cumulative Percentage: 98%

SKILLS

- **Languages**
Java, Flutter + Dart, SQL, Bash, Scheme, Web (HTML, CSS, JS, and PHP), and Python.
- **Tools**
Android, Node.js, MongoDB, Git, Google Firebase, Adobe After Effects, Google Cloud, IBM Watson, and Microsoft Azure.

PROJECTS

Practikality

- A three tier Android app, focused on helping the differently-abled communicate better with others.
- **VOICE:** Built for the mute.
Recognizes emotions of a message through sentimental analysis and manipulates output to match human speech.
- **EASI:** Built for the deaf.
Helps deaf interpret speech by displaying signs from a user-created library, eliminating the need to learn ASL.
- **VISION:** Built for the blind.
Integrates facial recognition, environmental analysis and educational assistance to make their lives more independent.

Taskout: Your to-do by others

- Cross-platform task management app made using Flutter + Dart and Node.js.
- Assign tasks to others for project management, collaborations, or simple day-to-day tasks.
- Send pin-secured tasks to guests; no need for signing-up.

Healr

- Android app to assist medical waste collection in-exchange for in-app credits.
- Includes medication dosage, stock and prescription tracking.

Encryptid

- A text-based competitive trivia game available as a web-app.
- Uses custom API callbacks to manage the MongoDB database.

HONORS & AWARDS

- Presidential Scholarship of Distinction University of Waterloo.
- Chairperson's Scholarship of Excellence Amity International School.
- Duke of Edinburgh's Bronze Medal.