



Ayush Garg

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DOB: Aug 18, 2001

#3995 Gandhi Nagar, Fazilka (152123)



Education

Indraprastha Institute of Information and Technology, New Delhi

Btech (CSE)
2019 – Present

CGPA: 9.38
(Up to 5th Sem)

Adarsh Jain Dharmic Shiksha Sadan, New Delhi

10+2 (CBSE)
2018 – 2019

Percentage:95.8

Sacred Heart Convent School, Fazilka (Punjab)

10th (ICSE)
2016 – 2017

Percentage:95

Skills

Expertise Area

Data Structures and Algorithms, Android Development, Web Development, Object Oriented Programming

Programming Language

Java, Python, JavaScript, C++, HTML, MySQL

Tools and Technologies

React Framework, Firebase, MIT App Inventor, PyGame, SQL, Figma, Flask, Unity 3d, IDE(Android Studio, IntelliJ, Vscode)

Electives

Advanced Programming, Analysis and Design of Algorithms, Human Computer Interaction, Prototyping Interactive Systems

Experience

Microsoft

(May,22– Jul,22)

Technology Stack: C#, TypeScript, React, Cosmos DB, RestApis

- Worked in the Insider Risk Management Team to develop solutions for reducing the Mean time to triage Alerts and to resolve it and introduced the concept of the Saved Queries.
- Worked at three layers of the code, frontend, Apis, Database to completely develop the end-to-end solution for the same. Developed Highly Scalable Schema for Queries for efficiently storing and saving the Schema. Added various UX controls to save, show and apply these queries in the UX.

Settlrs

(Feb,22 – Apr,22)

Technology Stack: Rest JS . Aws Cognito, DynamoDB, Razorpay, Digio

- Built a public investing platform for a leasing Company from scratch. Used ReactJs for frontend and entire backend was developed on the Aws Services.
- Included the Digital Payments Gateway including the Automatic payouts using Razorpay and also added the Digital Kyc registration using the Digio Service.

Tav Labs (Research/Development)

(Apr,20– Oct,20)

Guide: Dr.Tavpritesh Sethi

Team Size-3

Technology Stack: TensorFlow, Python, Android Studio, Firebase, Word2Vec, Selenium, Flask

- Built a Chatbot System from scratch using TensorFlow universal sentence encoding and other embeddings like word2vec. The system was developed for low Training Data and Natural language inputs.
- A [Public API](#) (running on Python server) for covid-19 which answers different queries about covid, busts myths and provides healthcare information.

Achievements: [Social Innovation Challenge](#) winner (organized by IISC Bangalore and Keio University)

[Link to App](#) **Technical Paper Preprint :** <https://arxiv.org/abs/2003.07074>

Projects

Kidzy (400+ Downloads)

(Dec,20 – Feb,21)

Technology Stack: Android Studio, AWS Amplify, Unity3d, Mediapipe, Blender, Maximo

- Real time Pose-detection enabled video exercise Application using Media pipe framework in Android Native
- Developed an endless Runner game (Unity) controlled by the actions of the user.

Links : [Link to App](#)

Avaas

(Jan,21 – Apr,21)

Technology Stack: MySQL, Flask, HTML, Python, LucidChart

- Implementation and optimization of Database design in MySQL for efficient construction and allotment of the houses by bringing together the contractors, government, general public, and the financial Institutions.
- Developed a Web Application using the Flask allowing the different stakeholders to sign in and allowing various features for each stakeholder.

Links: [Link to Presentation](#) , [Link to GitHub](#)

Color Switch

(Nov,20 –Dec,20)

Technology Stack: JavaFX, OOP, FXML

- Multi-Mode Endless Obstacle Avoiding Game developed in Java FX with features of Saving and Revive options.
- Developed an additional reverse game mode, which involved making the ball pass through the obstacles, but the user here controls the obstacles and not the ball.

Links: [Link to GitHub](#) , [Link to Webpage](#)

Positions of Responsibility

- Undergraduate Teaching Assistant (Intorduction to Programming) IIITD
- Undergraduate Teaching Assistant (Probability and Statistics) IIITD
- Head Boy (Sacred Heart Convent School)
- Event Organizer Odyssey'20
- Organizer BVP vaccine camps Fazilka
- Event Volunteer Esya'19
- Induction Volunteer'20
- House Leader (Sacred Heart Convent School)

Awards and Achievements

- Dean IRD (Innovation and Research) AWARD 2020
- Dean Academic Excellence Award 2020
- SIC Certificate of Excellence (IISC Bangalore)
- MIT Grand Hack 2020 Finalist
- UCMAS Abacus State Champion

Interests and Hobbies

- Cricket
- Yoga
- Cycling

Declaration: The above information is correct to the best of my knowledge.

Ayush Garg

Date: June 27,2021