

Aryan Gupta

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EDUCATION

PSIT

BACHELOR OF TECHNOLOGY
Major : Computer Science and Engineering
Jun 2018 - 2022 | Kanpur, Uttar Pradesh

MTMHSS

HSC + SSC
Apr 2007 - 2018 | Kanpur, Uttar Pradesh
SSC : 88 %
HSC: 86.8 %

COURSEWORK

UNDERGRADUATE

Programming for Problem Solving
Data Structure
Computer Organization and Architecture
Python Programming
Operating Systems
Theory of Automata and Formal Languages
Technical Communication

SKILLS

PROGRAMMING

Over 5000 lines:
Java • Python • Javascript
C • C++ • HTML • CSS
Bootstrap
Over 1000 lines:
PHP • SQL • MongoDB
Express.js • Node.js • React.js
Familiar:
Android • Git

SOFT SKILLS

Technical Communication
Teamwork
Agile (Scrum)
Languages:
English • Hindi

PUBLICATIONS

- Articles on overclocking and fixing common windows errors.
- Articles on rooting Android devices, flashing new kernel/rom/firmware and much more.

PROJECTS

AUGMENTED REALITY BASED E-COMMERCE APP | FLUTTER

DEC 2020 – JAN 2021 | Kanpur, Uttar Pradesh

- Built a clean minimalistic UI to provide a smooth user experience.
- Used Google's ARCore library to implement augmented reality and help visualize e-commerce products.

A* PATHFINDING VISUALIZER | PYTHON

Jul 2020 – Jul 2020 | Kanpur, Uttar Pradesh

- Built Python application for visualizing A* pathfinding algorithm.
- Used Pygame module for animation and maze generation.

TRAIN AI TO PLAY FLAPPY BIRD | PYTHON

Jul 2020 – Jul 2020 | Kanpur, Uttar Pradesh

- Used NeuroEvolution of Augmenting Topologies to train agent to play Flappy Bird game.
- Used Pygame module for recreating the Flappy bird game and animating the environment.

OBJECT / TEXT RECOGNIZING CAMERA APPLICATION | PYTHON

Sept 2019 – Nov 2019 | Kanpur, Uttar Pradesh

- Used Tensorflow python module and (YOLO) pretrained dataset to recognize daily life objects.
- Used Pytesseract for Optical Character Recognition.
- Used pyttsx3 for text to speech functionality to aid blind people.
- Used kivy python module to develop the gui so that it can easily be ported to Android.

Other Projects

- Facematch : A clone of Mark Zuckerberg's facemash website.
- Penetration Testing Toolkit : A collection of various pentest tools made using python and scrapy.

EXPERIENCE

PYTHON DEVELOPER | FREELANCE

Jan 2019 - Present | Kanpur, Uttar Pradesh

- Modified existing software to correct coding errors, upgrade interfaces and improve overall performance.
- Implemented simple machine learning algorithms (Linear Regression and Support Vector Machines) to analyze and predict stock performance.

WEB DEVELOPER | FREELANCE

Jan 2018 - Present | Kanpur, Uttar Pradesh

- Designed and created UI's to implement pre-existing back-end functionality using CSS, Bootstrap, JQuery and Javascript.

CERTIFICATIONS

Developing Apps with Google Cloud Platform • Google IT Automation with Python • Data Structures and Algorithms Specialization • IT Fundamentals for Cybersecurity