

# VISTRIT PANDEY

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## Education

### Drexel University

Sept 2019 - Sept 2023

*Bachelor of Science in Computer Science, Minor in Information Systems*

- **AJ Drexel Scholarship** (Founder's Scholarship)
- **Dean's List** (Awarded to students with a G.P.A of **3.6** and above in a term)
- Clubs - i) **React** Developers (Mentor) ii) **Meta** Developer Circle (Member)

## Experience

### Drexel University, College of Computing and Informatics

Sept 2022 - Present

*Course Assistant*

*Philadelphia, Pennsylvania*

- Course Assistant for **Introduction to Computer Science (CS-164)**, **Computer Programming I & II (CS-171, CS-172)**, **Computing and Informatics Design III (CI-103)**, **Computational Photography (CS-435)**
- Held weekly office hours, conducted labs, provided continuous feedback and **assisted** the instructor in **compiling** coursework
- Helped instructor in **grading** the assignments and labs of over **500 students**

### The Unnamed Auto

Aug 2021 - Mar 2022

*Web and Mobile App Developer co-op*

*Mumbai, India*

- Used **React Native**, **Python**, **Material-UI**, **ant-design** for the Frontend of the mobile app
- Used **Geo-location** to show the closest charging points near the user, **which can be customized** based on the user's preferences and improved the loading time by almost **1.8 times** by adding cache and adding advanced algorithm to existing code
- Display **navigations** on the user's helmet, using **3-D rendering and HUD technology** to display directions from the user's app

### Hofars

Mar 2021 - Aug 2021

*Full-Stack Software Developer*

*Remote, India*

- Worked in a team, as a full-stack software developer to develop **full stack web/mobile app** in **React.js**, **Python**, **C** and **MongoDB** framework that **serves 25000+ customers** a month by **helping them book services/products** and also implemented **Stripe CLI** for payments.
- Assisted new interns with **Python**, **C**, **React.js**, **React Native** and **WordPress** and helped deliver projects **on time**

## Projects

### Carselltancy

Jan 2022 - Present

- I am the main **Software Developer** and used tech stack including **Python**, **React.js**, **React Native**, **Razor Pay**, **Expo CLI**
- Built a **mobile application**, for both user and dealer that will help around **100,000** users per month buy brand new cars, accessories, and spare parts from different selections of dealers.

### Delesi

Mar 2022 - Present

- I am the main **Software Developer** and used tech stack including **Python**, **C**, **React Native**, **Expo CLI**, **Firebase**
- Building a **mobile application** where people can shop in the **Metaverse** using **Augmented Reality/Virtual Reality**. Used Algorithms like **Cohen-Sutherland Algorithm**, **Ray Tracing**, **Canny Edge Detector**

### Drexel University's Website

Sept 2022 - June 2023

- Worked on Drexel University's official Senior Design Website as a **Frontend Software Engineer**, with 6 more members, and used tech stack including **React.js**, **Ant-design**, **Firebase**,
- Completely **automated** the judging process, and the official team page creation using our own **website builder**. Drexel University's official website has around **160,000** users every month

### Social Media App

Nov 2020 - Dec 2020

- Built using **React Native**, **Material UI**, **Firebase**, **Expo CLI**
- **Mobile application** that helps users **connect** with others and post their thoughts and media, similar to **Twitter** or **Facebook/Meta**

## Skills

**Languages:** Python, Java, JavaScript, TypeScript, C, C++, HTML/CSS, SQL, AWK, Bash, Racket, Haskell, Scheme, LaTeX, Swift, React.js, React Native, Node.js, Next.js, MatLab, Kotlin, AWS, Flutter

**Tools — Operating Systems:** Redux, Heroku, Socket.io, JQuery, Firebase, Git, GitLab, Bootstrap, GitHub, Qualtrics, GitPod, Expo CLI, ES6/7, Android Studio, XCode, Virtual Machine, Shell, JSON — Mac, Linux, Windows

**Coursework:** Web and Mobile App Development, Software Architecture, Systems Programming, Discrete Mathematics, Data Structures, Computer Graphics, Computational Photography, Computer Networks, Human-Centered Design Process, Systems Analysis

## Activities and Achievements

- **City Champs**, PUBG Mobile Community Nights, March 2020
- **Winner**, 7+ Hackathons, March 2020 - April 2022
- **Mentor**, Hack the Northeast, January 2021
- **Mentor**, Each One Teach One, June 2015 - March 2018