

RUCHI GUPTA

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EDUCATION

University of California, Santa Cruz

September 2016 - March 2020

B.S. Computer Science 2020

GPA: 3.4/4.00

Relevant Coursework: Data Structures & Algorithms, Computer Systems and Assembly Language, Databases, Management of Technology, Mobile Applications, Software Engineering

EXPERIENCE

Plantronics, Automation Intern, Santa Cruz CA

September 2019 - January 2020

- Developed an Automated Robotic Process on UiPath (RPA tool) that creates and downloads a fiscal year report on Oracle and OBIEE databases.
- Created a set of sequences, flowcharts, and VBA conditional statements by recording, screen scraping, or data scraping individual steps.

Plantronics, Data Analysis Intern, Santa Cruz, CA

June 2019 - September 2019

- Created KPI dashboards to meet the company's internal teams (HR and Procure to Pay) requirements to improve process productivity by 50%
- Uploaded data from a couple of resources such as Excel and Sharepoint Database.
- Created relationships with data tables and DAX functions to design excellent visualization on PowerBI Desktop.

Toshiba Memory America, Strategic Marketing Intern, San Jose, CA

June 2018 - September 2018

- Presented the Ethernet-SSD at the Flash Memory Summit, with a supporting NVMe-over Fabrics protocol.
- Studied the Write Amplification phenomenon associated with Flash memory in order to present the importance of Logical Block Addressing (LBA) as a factor when choosing an SSD
- Ran Linux commands to run blktrace and Python to count and logarithmically graph LBA frequency

SKILLS

PROFICIENT: Java, Python MySQL, PostgreSQL, PowerBI, Excel, PowerPoint, SDLC, Trello, GitHub

FAMILIAR: C, Google Analytics, Salesforce.com, Tableau, VSCO, Adobe LightRoom

BASIC: HTML, CSS, Adobe Photoshop, InVision

PROJECTS

PLANYOURPARKING | Mobile Applications

- Android App created on Android Studios to assist students/visitors in finding parking on UCSC campus
- Requested ParkingLogix API to show users available parking spots at Core West Parking structure.
- Implemented Google Maps API to direct users to the nearest parking location.
- Made an HTTP request to the ParkingLogix API using JSON to convert string count into JSON array.

TRASHORNOT | Software Engineering

- IOS app created on Xcode to help users correctly throw away their Trash in the respective bins (Recycle, Compost or Garbage).
- Implemented Clousoght API (an image recognition tool)
- Front end (Python) used to parse unnecessary words from the API. Backend - (Excel Spreadsheet) Stored items in respective columns (Recycle, Compost or Garbage).
- Made an HTTP request to GET the bin and POST onto the user interface. Imported Python Flask to open a host web server.
- Trello for organizing SCRUM and Agile methodologies.

SMARTSIGHT | Management of Technology

- 80+ page report to show our steps, strategies, and implementations to develop our product, SmartSight, to the Market.
- Researched other companies and their strategies in the current market. Built our own technology, product/marketing strategies, and developed our business.
- Identified customer needs and technical metrics, planned future projects, and reverse engineered other products.
- Few of the Diagrams made: Porter 6 Forces, A/B testing, FAST Diagrams, Utility Diagram, Conceptual Design, Product Line Use Cases, Financial Model.