

VIKEN SHAUMITRA PARIKH

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EDUCATION

Master of Science, Computer Science

May 2020

Arizona State University, Tempe, AZ

Coursework: Data Structures and Algorithms, Fundamentals of Statistical Learning, Planning and Learning Methods Artificial Intelligence(AI)

Bachelor of Technology, Computer Science

May 2018

K. J. Somaiya College of Engineering (KJSCE), Mumbai University, India

7.43/10 GPA

Coursework: Data Warehousing, Database Management, Web Technologies, Operating Systems, Big Data, ML, AI, OOPS, SPCC, CSM

PROFESSIONAL EXPERIENCE

Graduate Services Assistant – Ira A. Fulton Schools of Engineering, Arizona State University

August 2018 – Present

- Working towards the development of Decision Making and Problem Solving (CPI 360) course and student evaluation.

Research and Development Intern – Department of Electronics Engineering, KJSCE

August 2017 – November 2017

- Researched a novel algorithm for face recognition with results better than traditional methods on comparison (MATLAB).
- Synthesized an algorithm based on Bayesian Networks to predict salary class of an adult using Census Income dataset.

Cross-Platform App Developer Intern – Way2Society, Mumbai

June 2017 – July 2017

- Led a team of 12 and developed a portal that kept track of monthly activities and payments in a housing society.
- Developed a website (way2society.com) and an android application(Ionic3) with Java Servlets, MySQL hosted on AWS.
- Among the top 5 products in the category in the city with more than 22,000 active users.

Software Developer Intern – RidII, Mumbai

December 2016 – May 2017

- Collaborated with 9 developers and engineered an application that successfully simulated autonomous drones in Gazebo.
- Developed a desktop application using electron framework (Typescript) to track the drone in real time using REST services.

Software Developer Intern – General Supply Corporation, Mumbai

May 2016 – July 2016

- Designed a database system to manage and handle daily inventory and keep a track of stock of various company products.
- Built a desktop application for Inventory and Stock Forecasting using ARIMA in Python, Flask, MySQL.

PROJECTS AND TECHNICAL PUBLICATIONS

Travigate – A Personalized Tourist Guide (Github backend: [Travigate](#), frontend: [Travigate-Front-End](#))

May 2017 – June 2018

- Led a team of 4 and developed a prediction application to provide recommendations to users based on their preferences and reviews from TripAdvisor dataset using collaborative filtering. (89.5% accuracy)
- A model for image recognition of top tourist places using keras and CNN was developed scraping top images from google.
- The mobile application was developed using Ionic3, Python3.6 (with Flask), MySQL, AWS EC2, RESTful Services (JSON).

Vetflix – Movies and Tv shows reviews website (Github: [Vetflix](#))

May 2017 – November 2017

- Built a recommendation engine for movies and tv shows based on user interests.
- Developed a website using HTML5, CSS3, TypeScript, Python3, MySQL and MS Project.

Vpods – Android Quiz Application (Github: [Android-Quiz-App](#))

February 2016 – April 2016

- Built a system in a group of five that generated questions and provided an evaluation based on a selected topic.
- The system was developed using Android Studio, Java, SQLite and database hosted on Firebase.

Le Voyage – A travel information website (Github: [LeVoyage](#))

July 2016 – December 2016

- Worked in a team of 4 to design a website that provides information and reviews of travel-related content.
- The website was developed using HTML, CSS, JavaScript, PHP, MySQL and MS Project (for project management).

Transaction Manager – Bank transaction management system

January 2016 – May 2016

- Designed a relational database system to manage records of customers, transactions using rational rose, dia, Java, MySQL.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python3, JavaScript, HTML5, CSS3, PHP, XML, SQL, Unix Shell Scripting, R, MATLAB

Programming Tools and Frameworks: MySQL, Node.js, Django, Flask, Ionic3, Apache Cordova, Electron, Android Studio, Bootstrap, Node.js, Angular4, Jquery, NoSQL, Weka, Amazon Web Services, GitHub, Hadoop

TECHNICAL PUBLICATIONS, AWARDS, AND CERTIFICATIONS

- Viken Parikh, et al. “**A Tourist Place Recommendation and Recognition System**”. International Conference on Inventive Communication and Computational Technologies 2018. (To be published in IEEE Xplore)
- Viken Parikh and Krina Joshi. “**Autonomous Cars using Embedded Systems & Spherical Wheels**”. International Journal for Scientific Research and Development 5.9 (2017): 146-150. ([ijrsrd.com/Article.php?manuscript=IJSRDV5I90094](https://www.ijrsrd.com/Article.php?manuscript=IJSRDV5I90094))
- Viken Parikh and Mansi Khara. “**A mixed reality workspace using telepresence system**”. International conference on ismac in computational vision and bio-engineering. (<https://www.springer.com/us/book/9783030006648>)
- Winner at Crackathon (Hackathon) 2016, KJSCE, and Participant at ACM Inter-Collegiate Programming Contests 2016, 2017.
- Best project and technical paper award at I.E.T.E. Students’ Forum Hackathon 2015 on mobile technologies.
- Certifications:** National Programming Aptitude Test, Advanced Cryptography, Ethical Hacking and Ubuntu, Kali Linux (Computer Society of India), Programming Logic Competitive Programming, Node JS (Codecell, Codechef Campus Chapter)