Aatman Shah

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EDUCATION

Santa Clara University   Santa Clara, CA
Bachelor of Science in Computer Science, GPA 3.2   *Sept. 2016 – Dec 2019*

Relevant Coursework: Theory of Algorithms, Discrete Math, Object Oriented Programming, Data Structures, Linear Algebra, Data Science, Computer Networks, Logic Design, Embedded Systems, Software Design

EXPERIENCE

Nisum Technologies   Fremont, CA
Software Engineering Intern   *Jun 2019 - Aug 2019*
- Wrote and maintained scalable RESTful web service using Java and Spring Framework: Shopping Bag API, supporting the backend for any common ecommerce website
- Designed and created sample product and bag database with Microsoft Cosmos DB
- Set up Apache web server on the cloud to host images for all sample product data. Wrote test cases for all web service methods with JUnit and REST Assured, with over 80% coverage
- Migrated service to Azure cloud, setting up Jenkins server on VM to push images automatically. Continuous Integration into Nisum private image repo and continuous deployment onto Azure cloud.

Beehive AI   Burlingame, CA
Software Engineering Intern   *Feb 2019 - May 2019*
- Implemented RESTful API connector and crawler for data collection services such as SurveyMonkey and Typeform
- Added functions to in-house data management library to manipulate JSON objects and parse XLSX files
- Massively increased testing coverage through unit and integration testing. Assisted in code migration to support continuous integration using Kubernetes and Jenkins
- Maintained accurate scheduling and met objectives for simultaneous projects following agile development with JIRA

App Orchid, Inc   San Ramon, CA
Software Engineering Intern   *Jun 2018 - Aug 2018*
- Partnered with software architect to build custom web-based solution for client in a fast paced team environment
- Researched, designed, and implemented scalable, modular web applications for business analytics
- Assembled a comprehensive dashboard of analytical tools for information identification, extraction, analysis, retrieval, and indexing
- Wrote maintainable and extensible code in java and added documentation to existing software codebase

Intel   Folsom, CA
Firmware Validation Intern   *Jun 2016 - Aug 2016*
- Worked closely with NSG team responsible for firmware validation on NVMe SSD's
- Built test systems (open and closed case) for distribution
- Maintained test racks for NSG lab and installed software

PERSONAL PROJECTS

- **Portfolio Manager**: Data visualization application that allows user to track investment progress (Java, JSOUP)
- **Machine Learning Project**: Obtained historical stock prices of Nike and compared linear regression and K-Nearest-Neighbors as prediction models. (Python, NumPy, SciKitLearn)
- **GrabTheAux**: Web application allowing users to create collaborative playlists (HTML5/CSS3, Bootstrap, Express, Node.JS, Firebase, npm)

TECHNICAL STRENGTHS

- **Languages**: Java, C++, Python
- **Libraries and Frameworks**: Spring, Jsoup, Numpy, SciKitLearn
- **Tools**: Gradle/Maven, Git, Vim, CosmosDB, Jenkins, Docker, Swagger UI
- **Other**: Familiar with taking high quality digital photographs and editing with Adobe Lightroom and Photoshop