Shantanu Deshmukh

Software Engineer 2 · Microsoft · 15474 141st PL SE, Renton, WA - 98058

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Skills

Languages: Python, Java, C#
Database: MySQL, MongoDB, DynamoDB
Cloud: GCP, Azure

Front end: JavaScript, React, Angular, Bootstrap, TypeScript, jQuery, d3.js, css, node.js
Machine Learning tools: TensorFlow, numpy, pandas, Flask, CNN, LSTM
Tools & IDEs: Visual Studio, GitHub, Eclipse, Jenkins, JIRA, Azure DevOps, Unix/Linux env

Work Experience

Microsoft — *Redmond, WA*
Software Engineer 2 — *July 2019 - PRESENT*

- Writing product and system development code
- Building systems that are highly resilient and always available serving billions of requests per day
- Building backend services and front-end user interfaces for large-scale consumer-facing applications
- Orchestrating release workflows and pipelines; applying standardized pipelines via APIs to achieve CI and CD using industry-standard tools
- Reviewing code written by peers, providing feedback to ensure that it follows best practices, including checking that the code adheres to style guidelines, is accurate, is secure and testable, and is efficient. Ensuring that the code is of high quality and meets the project's and company's standards.
- Collaborating between team members and often between multiple teams, to ensure seamless development and bug fixes in feature rich code base.
- Responsible for identifying and prioritizing product or system issues, debugging them, and resolving them by analyzing their impact on the service operations and quality

AcuityAI Stanford Startup — *Palo Alto, CA*
Computer Vision And Machine Learning Intern — *June 2018 - Dec 2018*

- Improved image detection accuracy by hyper-parameter optimization on different models like ResNet, VGG, MobileNet, Inception, etc. and modifying existing layers/models as per the use case
- Extracted, transformed and cleaned large dataset on Linux based cloud machines to train AI models

San Jose State University — *San Jose, CA*
Research Assistant — *Jan. 2018 - PRESENT*

- Converted unstructured medical text to a structured format using Natural Language Processing
- Exposed structured text using MEAN(MongoDB, Express, Angular and Node) Stack on Google cloud platform
- Awarded funds by the SJSU College of Science Research, Scholarship, and Creative Activity (RSCA) grant

Deloitte Consulting LLP — *Mumbai, India*
Business Technology Analyst (Deloitte Digital) — *Nov. 2015 – Aug. 2017*

- Evaluated as a top performer for implementing multiple business modules in Java, overcoming obstacles, and ensuring timely delivery working under an agile development model
- Helped in architectural design of large-scale projects considering trade offs and effectively communicating across the team and the client
- Created a distributed data processing engine using Apache Storm and Apache Kafka, as a Firm initiative to be proposed to a prospective client
- Awarded SAP Hybris Commerce development professional certificate

Accenture Services Pvt. Ltd — *Hyderabad, India*
Software Engineer — *Aug. 2013 – Oct. 2015*

- Designed and developed multiple use cases in Java along with their jUnits satisfying user requirements
- Created a XML based automated testing framework, to test REST services, saving around 40% of the previous testing effort
- Awarded ACE(Accenture Celebrates Excellence) award for effective team-work and successfully delivering a high risk project

Education

San Jose State University — *San Jose, CA*
M.S. in Computer Science (GPA 4.0) — *Aug. 2017 - Exp. May. 2019*

- Awarded a **Scholarship** for Outstanding Academic Achievements

KJ Somaiya Institute of Engineering and Information Technology — *Mumbai, India*
B.E. in Computer Engineering — *July. 2009 - May. 2013*

Research Papers

Fine Object Detection in Automated Solar Panel Layout Generation — *Orlando, Florida*
IEEE 17th International Conference on Machine Learning and Applications (ICMLA 2018) — *DOI: 10.1109/ICMLA.2018.00034*

Machine Learning for Classification of Inhibitors of Hepatic Drug Transporters — *Orlando, Florida*
IEEE 17th International Conference on Machine Learning and Applications (ICMLA 2018) — *DOI: 10.1109/ICMLA.2018.00228*

PediatricDB: Data Analytics Platform for Pediatric Healthcare — *Berlin, Germany*
IEEE 13th International Conference on Digital Information Management (ICDIM 2018), pp. 216-221 — *DOI: 10.1109/ICDIM.2018.8847072*

A Long-Short Term Memory Network for Detecting CRISPR Arrays — *Boca Raton, Florida*
IEEE 18th International Conference On Machine Learning And Applications(ICMLA 2019), pp. 619-624 — *DOI: 10.1109/ICDIM.2018.8847072*