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## EDUCATION

<b>Amherst, MA</b>	<b>University of Massachusetts Amherst</b>	<b>Aug 2019 – May 2021</b>
Master of Science in Computer Science, <b>GPA 3.72/4.00</b>		
<ul style="list-style-type: none"><li>Coursework: Software Engineering, Secure Distributed Systems, Database Design and Implementation, Operating Systems, Machine learning, Neural Networks, Applied Statistics</li></ul>		
<b>Kolhapur, India</b>	<b>Shivaji University</b>	<b>Jul 2012 – May 2016</b>
Bachelor of Technology in Computer Science and Engineering, <b>GPA 3.86/4.00</b>		

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## EXPERIENCE

<b>Chandler, Arizona</b>	<b>Intel Corporation</b>	<b>SEP 2021 – Present</b>
<b>Software Engineer</b>		
<ul style="list-style-type: none"><li><b>Design and Develop Software to automate and scale</b> 4 industrial tools for a semi-autonomous HVM factory</li><li><b>Code Unit tests</b> and <b>improve simulator software</b> to simulate 4 industrial tool control system for <b>code coverage</b></li><li><b>Collaborate</b> with Product Managers, manufacturing engineers for <b>timely</b> delivery of new capabilities and bug fixes</li><li>Design and integrate new factory level capabilities (<b>Service Oriented Architecture</b>) with Application Software</li><li><b>Reduced 3x development effort</b> by migrating component from monolithic to plugin architecture</li><li>Reduced memory usage by <b>75%</b> and achieved faster response for statistical process control module in the software</li><li><b>Script integration tests using Python</b> to validate ~5 <b>backend services &amp; databases</b> for Intel foundry services</li><li>Created Visual Studio extension to display domain IntelliSense and log formatting to <b>reduce debug effort by 10%</b></li><li><b>Led</b> team wide migration from TFS to GitHub for Version Control and Software Build for multiple applications</li><li><b>Documented</b> and led <b>code coverage increase of ~15%</b> by Integrating Microsoft Fakes framework for Unit testing</li><li>Troubleshoot <b>real time production issues</b> across global intel factories with global teams using <b>elastic search</b></li><li><b>Mentored 1 intern</b> to successfully deliver simulator software to simulate tool responses resulting in faster testing</li><li>Brainstorm new capabilities, create effort estimates, <b>task breakdown</b> and participate in <b>code reviews</b></li></ul>		
<b>Pune, India</b>	<b>Persistent Systems</b>	<b>Nov 2016 – Feb 2018</b>
<b>Software Engineer</b>		
<ul style="list-style-type: none"><li><b>Developed Java CLI tool</b> used by 20+ people to orchestrate real-world FOREX transactions</li><li><b>Achieved ~3x faster execution of scripts</b> by <b>refactoring</b> Java code to run concurrently on <b>distributed system</b></li><li><b>Spearheaded initiative to prototype</b> highly automated and integrated Full-Stack regression testing using <b>Java</b>, <b>Selenium</b>, <b>Jenkins</b>, <b>Appium</b>, <b>RestAssured</b>, <b>Junit</b>, <b>TestNG</b> for better reporting and <b>CI/CD</b> migration with 4 peers</li></ul>		

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## TECHNICAL EXPERIENCE

### Projects

- Elevation based Navigation : Full Stack Web Application Development** ☞ (Aug 2020 – Dec 2020)
  - Implemented 2 routing algorithms and backend **API** to navigate incorporating desired elevation between 2 points
  - Tech Stack Python-Flask, Python-**unittest**, **Docker** and **Heroku** with **RESTful** architecture, **PAC design pattern**
- Event stream processing to find and explain anomalous behavior in Hadoop cluster** ☞ (Jan 2020 – April 2020)
  - Transformed **logs to 1200+ attributes** time-series data to **implement machine learning algorithm** determining the cluster faults and reduced number of attributes for faulty explanation by **90.5%**, reducing fault detection time

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## AWARD(S)

- Certificate of Merit and Scholarship (Academic Year 2013-2014)

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## SKILLS AND TECHNOLOGIES

- C#**(3 Years), **Python** (5 years), **Java**(4 years), **C**, **SQL**, **Selenium**, **Agile**, **Scrum**, **Database Design**, **Object Oriented Design**, **Data Structures and Algorithm**, **Software Development Life Cycle**