ASHISH BHAT

Framingham, MA 01702 | +1 (540) 824-8780
ashishbhat@vt.edu | linkedin.com/in/ashish-bhat1 | https://github.com/ashishbhat1 | https://ashishbhat1.github.io

EDUCATION

Virginia Tech: Blacksburg, Virginia. May 2023
Master of Engineering in Computer Science & Applications **CGPA: 3.93/4.00**
Relevant Coursework: Intermediate Data Structures and Algorithm Analysis, Usability Engineering, Data Analytics, Information Visualization, Software Engineering, Machine Learning with Big Data, Introduction to Urban Computing.

Thadomal Shahani Engineering College (University of Mumbai): Mumbai, India. June 2021
Bachelor of Engineering in Computer Engineering **CGPA: 8.69/10.00**
Relevant Coursework: Mobile Application Development, Web Design, Operating System, Distributed Computing, Cloud Computing, Human Machine Interaction, Advanced Algorithms, Computer Networks, Database Management Systems, Object Oriented Programming, Theory of Computer Science, Artificial Intelligence & Soft Computing.

WORK EXPERIENCE

Staples Inc., Framingham | *Software Engineer* **June 2023 – Present**
- Migrated backend APIs from Node.js to Java in accordance with business requirements, optimizing code for improved efficiency, and performance, and implemented comprehensive testing strategies, including unit, integration, and end-to-end testing, to ensure compatibility.
- Collaborated closely with database administrators and stakeholders to develop robust indexing strategies, and demonstrated strong debugging skills to reduce Couchbase queries' response times and improve data retrieval efficiency.
- Integrated Azure services, such as Azure Storage (uploading, downloading, and deleting files) and Azure Virtual Machine, into the application, and developed and maintained comprehensive documentation to provide insights into the integrated features.
- Played a key role in the professional development of two interns, providing mentorship, technical guidance, and active participation in code reviews, empowering them to contribute effectively to team projects.

Staples Inc., Framingham | *Software Engineer Intern* **February 2023 – May 2023**
- Developed an internal pointing poker application using Next.js, React.js, Pusher and Couchbase, which was adopted by all teams within the division, resulting in improved efficiency in the scrum estimation process.
- Eliminated the need for a third-party application, leading to significant cost savings as well as enhanced security and data privacy for organization data.

Staples Inc., Framingham | *Software Engineer Intern* **June 2022 – August 2022**
- Redesigned the store filter component for the Staples website by adding the functionality for users to select multiple stores within a desired radius, using React.js, Redux.js, and Node.js.
- Developed RESTful web services (API) for the redesigned store filter component using Java and Spring Boot, and used Jenkins for continuous deployment, impacting **60%** of the traffic.

ACADEMIC PROJECTS

Photo Sharing Application
- Developed an application for users to post photos with like and comment functionalities, using React.js, Redux.js, Node.js, Express.js and MongoDB.
- Implemented login feature using JSON Web Tokens and Google OAuth, as well as pagination and search functionalities.

TECHNICAL SKILLS

- **Web Design:** RESTful Web Services (API), Spring Boot, JavaScript, Bootstrap, React.js, Node.js, Next.js, Redux.js, Flask, jQuery, XML, PHP, CSS, HTML, HTTP, DOM, AJAX, D3.js, JSON.
- **Database Management:** MySQL, MongoDB (NoSQL), N1QL, Couchbase.
- **Programming Languages:** Java, Python, C, R.
- **Libraries:** Tensorflow, OpenCV, Keras, Scikit-learn, Pandas, NumPy, SpaCy, NLTK, Plotly, Seaborn, Matplotlib, Networkx, Tweepy.
- **Others:** Git, Heroku, Tableau, Maven, Postman, Jira, Linux, Windows, Bitbucket, Jenkins, Confluence, Scaled Agile Framework, Pusher, Swagger, Splunk, Microsoft Azure, Apache Kafka, JUnit, Mockito.

PUBLICATIONS

Bathija Pranav, Chawla Harsh, **Bhat Ashish**, Deshpande Arti (2022) Image Captioning Using Ensemble Model. In: Tuba M., Akashe S., Joshi A. (eds) *ICT Systems and Sustainability*. Lecture Notes in Networks and Systems, vol 321. Springer, Singapore. https://doi.org/10.1007/978-981-16-5987-4_35