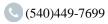


# BHUVANESWARI GNANASEKAR

Yonkers, NY Bhuvaneswari-Official-website











# ✓ Programming Languages

- Proficient in Java, Python, C++ programming language, with practical experience in developing applications
- Ability to identify and fix code issues using debugging tools and techniques, improving application stability.
- Experience in connecting Java applications to databases using JDBC, performing CRUD operations, and handling
- Understanding of web development concepts with Java, including Servlets and JSP, and basic front-end technologies like HTML and CSS.
- Experience in creating and managing multiple threads in Java applications to achieve concurrent execution and improve performance

#### ✓ SOL Database

- Can write complex requests using subqueries
- Know how to apply effectively Joins and Unions
- -Familiar with the use of Aliases and **Wildcards**

# ✓ Manual testing

- Can perform manual functional and usability testingof web-applications
- Gained hands-on experience by testing applications created for Industrial purposes

### ✓ UI

- Proficient in writing clean and semantic **HTML** code, creating the structure and content of web pages.
- Strong understanding of CSS styling, including selectors, box model, layout techniques, and responsive design principles.
- Experience in writing JavaScript code to add interactivity and dynamic behavior to web pages, including DOM manipulation and event handling.
- Proficiency in developing web applications using the Angular framework, including components, services, routing, and reactive forms
- Experience in using the Angular CLI for project scaffolding, building, and deploying Angular applications.
- Ability to create responsive web designs using CSS media queries and frameworks like Bootstrap or Flexbox.
- Knowledge of Angular Material, a UI component library for Angular, for creating consistent and visually appealing user interfaces

#### ✓ ML & Date Science Framework

- Proficient in utilizing scikit-learn, Pandas, Pytorch and Keras for building and training machine learning
- Applied these frameworks to various tasks such as classification, regression, clustering, and deep learning



- **CMake**
- Spring Framework
- Browser developer tools **AWS**
- Windows · MacOS Tableau · Pandas
- Anaconda

Aug 2021- Jan 2021

Docker



Virginia Tech

Graduate Teaching Assistant- Networks and Protocols

graduate level 'Networks and Protocols' course

Assisted professor with lesson planning, prompt assistance, record keeping, performance tracking, and grading papers for



## 360 Ripples Private Limited

Jan 2020- May 2020 Software Engineer Intern – Testing, Development & Support (Ticketing/Attendance/Payroll Domain)

- Developed an automatic attendance detection system portal that improved attendance and payroll by taking an image as input. The system detected and identified all the faces in the image and marked their presence.
- Writing Manual test scripts using selenium web driver, preparing the testing documents, to understand what needs to be tested, develop test cases and prioritize testing activities, execute all the test cases and report the same to the developers, to do the regression test of the project in all phases



MEng in Computer Engineering | 3.62 GPA Virginia Tech · VA · USA

Aug 2021 - Dec 2022

B.E in Computer Science & Engineering | 73% Anna Unversity · Guindy · India

Jun 2016 - May 2020

Relevant Coursework: Programming and data structures, Computer networks, Advanced machine learning, Data analytics, Application of machine learning, Cyber security and IoT, Object oriented programming, Software Testing

## **PROJECTS**

- **Voice Activated Cloud-based Drone Assistant**
- Developed a cloud-based completely voice-activated home automation drone that requires a virtual assistant to pass
- Designed it to search and detect an object that the user requests in a closed environment
- Built it to be cloud-native and highly scalable, ensured components are all containerized and can be scaled based on
- demands





