Narella Vamshi

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EDUCATION

New Jersey Institute of Technology	Sep 2022 - May 2024
**MS in Computer Science	CGPA :3.88/4**	Newark, USA
Bangalore Institute of Technology	Aug 2017 - Aug 2021
**BE in Computer Science and Engineering	CGPA:8.32/10**	Bangalore, India

TECHNICAL AND KEY SKILLS

Technical skills: C, C++, C#, .NET, WPF, R, Java, Spring, Hibernate, Spring Boot, J2EE, JSP, Servlets, Swift, Go, Python, PyTorch, , MVC, MVVM, HTML, CSS, Javascript, PHP, Batch and Powershell scripting, Computer Networks, IP Routing, UNIX, LINUX, File Systems, Multi-Threaded Programming, OS internals, Socket Programming, Node, React, Angular, REST API, Data Structures, Algorithms, SDLC, Jenkins, Git, GitHub,Agile, CI/CD, PowerBI, MERN ,MEAN, Hadoop, Apache Spark, HBase, MapReduce, Kafka, YARN, TCP/UDP

Databases: SQL, PostgreSQL, MySQL, SQLite, SQL Server, Microsoft SQL, PL/SQL, NoSQL, Cassandra

Cloud: AWS Cloud, GCP , Azure, Cloud Architecture, Cloud Security, Cloud Migration

Tools: Eclipse, Visual Studio, VSCode, Atlassian tool suite, Brackets, Fedora, cloudera, JetBrains, MS Word, Powerpoint , Excel, Microsoft Suite

Key Skills: Software Development|Testing and Debugging | Performance Improvement | System Maintenance | Software Installation | Code Reviews|UNIX environment|Performance Analysis|Databases | Data Engineering | High-Performance Data|System Software| Computer Architecture | Quality Assurance| Technical Leadership| Tight Deadlines | Technical Discussions | DevOps Practices|Customer Satisfaction

Soft Skills: Teamwork, Communication, Leadership, Time Management, Creativity, Project Management, Adaptability, Oral and written skills, Presentation Skills, Technical Documentation, Innovative, Strategic Planning,Cross-Functional Collaboration

WORK EXPERIENCE

Computer Support Intern — Jul 2024 - Present
Bricks 4 Kidz — Livingston, New Jersey

- Streamlining customer databases and consolidated data from multiple sources into a CRM, enhancing data accuracy and completeness.
- Developing automated KPI and inventory reports, managing website updates, ensuring timely content additions and improved data collection.

Research Assistant — Jan 2024 - May 2024
Master's Project- FinTech(ML and AI) — Newark, USA

- Dealing with ML, AI, Image classification and Neural Networks and LLMs(in finance).

CDS Mentor — Jan 2023 - May 2024
Career Development Services, NJIT — Newark, USA

- Reviewing, analyzing resumes, LinkedIn and handshake profiles of students and resolving Co-op, CPT and OPT queries.
- Assisting and facilitating with making flyers using Canva, managing and coordinating various events.

Associate Software Engineer — Sep 2021 - Aug 2022
Bosch Global Software Technologies Pvt. Ltd. — Bangalore, India

- Standardized NWS Welding System which comes under Bosch Rexroth. Supported in increasing the efficiency of data retrieval by 15%.
- Worked on software by implementing clean and DRY code which lead to the reduction of bugs and technical errors by 3%.
- Maintained the software and developed the new features as per the inputs and also tested, debugged and resolved bugs.
- Developed and implemented new features using technologies and frameworks such as C# , .NET and WPF. Dealt with AWS cloud.
- Contributed to different projects which included languages such as C, C++ ,Java and Python. Dealt with scripting in UNIX/LINUX environment.
- Expertly diagnosed, troubleshooted, and resolved performance issues in the software, ensuring optimal system performance.
- Explored the testing entities such as Unit, NUnit, Smoke, BlackBox, Regression testing, wrote test cases in Azure devOps to ease testing.

Project Trainee — Mar 2021 - Jun 2021
Bosch Global Software Technologies Pvt. Ltd. — Bangalore, India

- Executed and analyzed(Exploratory Data Analysis) various types of ML algorithms such as classification(sklearn) and unsupervised learning.
- Analyzing Data using SAS and R and reporting the insights to the mentor. Also used tools such as PowerBI and Tableau for Data visualization.
- Implemented diverse NLP algorithms such as Word2Vec and Bag-of-Words, to categorize semantically related words into distinct clusters.
- Improved the accuracy of the classification(in the domain of AI and ML) from 28% to 44% using methodologies such as One-hot encoding.

Full Stack Developer — May 2019 - Jul 2020
Share and Care Foundation(NGO) — Bhilai, India

- Lead, Supervised and Managed different projects in the NGO.
- Worked with the social media and advertising team to increase the reach. The members got increased by 30% within 1 month.
- Created, managed & optimized the NGO website, utilizing Wordpress, SEO tools, & HTML/CSS, resulting in a 40% increase in user engagement.

PROJECTS AND PUBLICATIONS

- Contributed & developed "Detection of Variant Diseases in Plants using Deep Learning" using CNN , tflearn, tkinter, openCV, TensorFlow.
- Published a survey paper on ML Techniques for Brain Stroke using MRI (https://www.irjet.net/archives/V7/i3/IRJET-V7I3392.pdf).
- Published a research paper(IJCESR) on detection of variant diseases in plants (https://troindia.in/journal/ijcesr/vol8iss7/33-37.pdf).