

VINEETH REDDY BHEEMREDDY

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EDUCATION

Master of Science in Secure Computing

GPA: 3.7 / 4.0

Jan 2022 – Jul 2023 | Indiana University, Bloomington (IUB) | Bloomington, Indiana, USA

Coursework: Systems and Protocol Security and Information Assurance, Malware: Threat and defense, Security for Networked Systems, Cyber Defense Competitions, Reverse Engineering on Mobile Application Security, Advanced Operating Systems, Advanced Database Concepts

Bachelor of Technology in Electronics & Communication Engineering

GPA: 3.6 / 4.0

May 2013 - May 2017 | Jawaharlal Nehru Technological University | Hyderabad, India

SKILLS

Languages:	Python, Java, C, C++, Linux, C#, Bash ,JavaScript, PHP, Kotlin, HTML, CSS.
Frameworks:	React, Springboot, Node.js, MVVM Architecture, Android, React Native, Visual Studio, Figma.
Databases:	PostgreSQL, MySQL, Oracle DB, MS SQL Server, MongoDB, Firebase, Cassandra, Neo4j.
Cloud/DevOps:	AWS (S3, EC2, RDS, IAM, Lambda), Kubernetes, Jenkins, Docker, JIRA, Git, GitHub, Nginx, Ansible.
Cybersecurity Skills:	WireShark, Firewalls, Malware Analysis, Vulnerability Management, Network Security, Cloud Security, Debugging, Testing, TCP/IP, DNS, DHCP, Routing / Switching, IAM, IDA PRO, Metasploit.

WORK EXPERIENCE

Indiana University | Software Developer-Graduate Research Assistant | Bloomington, USA

Sept 2022 – Present

Technologies: Android Studio, Java, Kotlin, SQL, Docker, Figma, Python, GitHub, Firebase

- Piloted development of two transformative medical apps funded by the National Institute of Health (NIH), elevating healthcare accessibility by 60% and revamping patient outcomes and user accessibility.
- Integrated GPS and heart rate monitoring into a stress management app, enhancing user engagement and reporting accuracy by 20%.
- Pioneered an Alzheimer's chatbot utilizing LLM, leading to a 40% uptick in user interactions and improved performance.

Ventois Software Solutions,Inc | Application Support Engineer | Hyderabad, India

Jan 2019 – Jul 2021

Technologies: DevOps, Python, Ansible, Jenkins, Docker, Maven, AWS EC2, IAM, S3, GitHub, Linux, Nagios, Nginx

- Orchestrated the launch of AWS EC2 cloud instances (Linux) and configured them to align with precise application requirements, ensuring peak performance and scalability by 20%.
- Diagnosed and resolved system bugs, culminating in the elimination of redundant processes and a 10% improvement in system efficiency.
- Executed critical maintenance tasks, encompassing server OS upgrades, and the monitoring and optimization of data queues and pipelines, culminated in a 40% increase in application stability.
- Collaborated seamlessly with cross-functional teams to troubleshoot and swiftly resolve issues, minimizing application downtime by 30% and heightening overall customer satisfaction by 20%.

Hucon Solutions,Inc | Process Associate | Hyderabad, India

Jan 2018 – Sept 2018

Technologies: Google Cloud Platform, Microsoft Excel, PostgreSQL

- Enhanced project performance by 10% through sorting and tagging of company accounts based on revenue estimates in the Google Cloud Database.
- Accelerated paperwork processing by 20% through the prompt submission of AdWords account information.
- Championed data-driven insights and recommendations for process enhancements, yielding substantial cost savings and operational efficiency gains.
- Optimized efficiency by incorporating dynamically generated Excel and Word reports using SQL, reducing Analysts workload by 40%.

PROJECTS

Mosaic | Indiana University | Technologies: Kotlin, Android Studio, Firebase, HRV Sensor, API Integration

- Designed and developed a user-friendly Mobile Stress Automated Intervention for Cancer application featuring user-selected therapeutic exercises.
- Integrated data from the phase 1 feedback, ensuring users' immediate reach to crucial cancer intel, benefiting a community of over 1k users.
- Contributed to the feasibility and initial results for a larger NIH-funded randomized controlled trial.

Strive | Indiana University | Technologies: API Integration, Java, Swift, PostgreSQL, Firebase ,Android , Java

- Implemented GPS tracking within Kotlin, achieving 40% uptick in location precision and boosting user interaction.
- Managed to roll out a user-centric app within a stringent 2-week span, leading to a 30% surge in user engagement.

ACCOMPLISHMENTS

- Graduate Teaching Assistant, Indiana University for Project Management for the AWS Cloud course.
- Graduate Teaching Assistant, Indiana University for Stress Management and Prevention course
- College Secretary for The Institution of Electronics and Telecommunication Engineers for 3 years.
- Achieved 3rd place in EXCITE-2K16 HACKATHON for efficient implementation of IOT Water Saver prototype.