Bharat Sinha

Raleigh, NC, USA | 919-985-9239 | bharat.sinha.2307@gmail.com | linkedin.com/in/bharatsinha23/

Education

MASTER OF COMPUTER SCIENCE, North Carolina State University, Dec 2019

· Related coursework: Software Engineering, Algorithms, Data Science, AI, Automated Learning

BACHELOR'S IN TECHNOLOGY, Galgotia College of Engg. & Tech., May 2015

· Related coursework: AI, Algorithms, Web Technology, Compiler Designs, OOP, OS, Data structures

Technical Skills

· **Programming Languages:** JavaScript, Node.js, Java, Python, PHP, HTML, CSS, R.
· **Frameworks & Tools:** AngularJS, React, React Native, jQuery, Git, Docker, AMP, jest, Jupyter, Flask, Jenkins
· **Databases:** MySQL, MongoDB, PostgreSQL, InfluxDB
· **Analytics and Monitoring Tools:** Google Analytics, New Relic, Mix Panel, GTM, Blaze Meter, Speed Curve
· **Certifications:** Mobile Site Expert (Google), Microsoft Student Partner, Cognizant Student Associate

Experience

SOFTWARE ENGINEER INTERN, PERFORMANCE | Ancestry LLC **|** Jun 2019 – Aug 2019

· Pioneered a master less JMeter architecture helping reduce infrastructure cost by 33%.
· Engineered java & python based real-time load test monitoring tool replacing BlazeMeter and conserving $20000 per year.
· Instituted a traffic prediction & visualization tool for improved load test simulation, reducing unexpected downtime by 20%.

SOFTWARE ENGINEER | Intelligrape Softwares **|** Mar 2017 – Jul 2018

· Built high performance, sophisticated products from ground up using JavaScript technology stack.
· Endeavored a cross-functional role as a web & app developer employed in domains like healthcare, travel.
· Advocated clients in increasing revenue & conversion by up to 25% with efficient SEO, data analytics and PWA.
· Built a virtual walk around tool for civil engineers and was recognized by client & company with quarterly performance award (Nov 17).
· Led the React Native development projects for TataSky Broadband, Startup India and Hilti.
· Assisted in client acquisition for PWA and React Native projects.

SOFTWARE PROGRAMMER | IndiaMART Intermesh Pvt. Ltd **|** Sep 2015 – Feb 2017

· Delegated a team of 8 developers as SPOC of IndiaMART's mobile web app.
· Awarded Emerging Star for optimizing the web app by 33% within two months of joining.
· Managed and programmed data analytics tools and components for better understanding of end user's behavior to optimize conversion and traffic on platform.
· Led research for making mobile web better by introducing PWA and AMP for web and building the first high performance PWA for IndiaMART and was recognized with Best Performer award (April 2016).
· Streamlined development process by introducing better code life cycle, improving the deployment time by 25%.

Academic Research & Project

· **Medium Stories Tags Prediction (R, Python, Node.js, PostgreSQL, Jupyter)**
  · Building a model to predict tags which the author can use to gain relevant audience and maximum views.
  · Built a tag relevance model using k-NN and cosine distances on the 1 million training data with 90% accuracy.
· **Natural Language Annotation (React, Node.js, Flask, Python, PostgreSQL, Docker):**
  · Working under Prof. Lynch on his natural language and annotation tool as Full stack developer.
  · Engineered the dynamic language annotation app using react, node.js, flask.
· **Virtual Walkaround (JavaScript, React, HTML5, CSS3, D3.js, Node.js, MongoDB, Docker, Apache)**
  · Built a Google street view like tool for construction sites with mapping to blueprints and issue tracking.
· **Image tracking solution (Java, PHP, MySQL):**
  · Fabricated security solution for tracking imaging devices and content owners using Steganography, Image Processing and data mining.
  · Built an Android prototype, imitating a camera, performing real time secret code embedding.
  · Published a paper on improvised LSB Steganography algorithm which I designed.

Interests & Extra-Curricular Activities

· Writing articles in Medium & Becoming Human & published poems on social media under the title 'Techie_Artist'.
· Gave a talk on PWA (Progressive Web Apps) in Google Dev Fest, Delhi (October 2017).
· Contributed to Project Chromium by reporting a bug of 'Service Worker'.