

NACHIKET DHAMANKAR

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA

Khoury College of Computer Sciences, GPA: 4.00

Candidate for a Master of Science in Computer Science

September 2018 - Present

Expected Graduation: December 2020

Courses: Information Retrieval, Program Design Paradigms, Computer Networks, and Algorithms

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belgaum, India

KLS Gogte Institute of Technology, CGPA: 8.75

Bachelor of Engineering in Computer Science

August 2014 - July 2018

Honors: Awarded scholarship for Excellent Communication Skills, and Best Student 2018

Activities: General Secretary, Head of Association of Computer Engineers, Design Lead Google Student Club

TECHNICAL SKILLS

Languages: Java, Python, SQL, HTML, CSS, C, C++, JavaScript, PHP, MASM Assembly

Libraries/Frameworks: Swing, JUnit, Py2PDF, NLTK, BeautifulSoup, Bootstrap

Database: Firebase, MySQL

Version Control: GitHub, Bitbucket, GitLab

Tools: Docker, Git, Maven, Pipenv, SAP Crystal Reports

WORK EXPERIENCE

ExpertsHub, Bangalore, India

IoT Intern

January 2017 - April 2017

- Developed scalable 'Smart Parking' solution with Raspberry Pi 3, MQTT protocol, ESP8266, and Arduino IDE that would increase parking efficiency in Mantri Mall, Bengaluru by 23%
- Built web version with Bootstrap, native HTML5, and CSS3; an android app with MIT App Inventor, and Firebase

B1 SAP Solutions, Belgaum, India

Intern

August 2016 - December 2016

- Analyzed client's requirements and generated specifications (SRS), design, and design review documents
- Devised test case scenarios and mock-up reports for client review; modified and maintained Crystal Reports
- Took an initiative and generated report templates to reduce design time by 40%

ACADEMIC PROJECTS

Search Engine | Northeastern University

November 2018 – December 2018

- Developed custom crawler and performed text transformation (stopping, stemming, and information extraction)
- Implemented BM-25, Smoothed Query Likelihood, and TF-IDF retrieval models utilizing an inverted index
- Performed Snippet Generation with Luhn's algorithm; pseudo-relevance based on Rocchio algorithm

Stock Trading Tutor | Northeastern University

November 2018 – December 2018

- Developed Java MVC application to create, track, save and retrieve multiple portfolios with real-time data utilizing AlphaVantage API, cache to reduce API calls, support for multiple strategies and deployed CLI version with Docker
- Implemented UI and dynamic graph to plot specified portfolio's performance (cost-basis and value) using JFreeChart

Homomorphic Encryption Banking Application | Visvesvaraya Technological University

January 2018 – July 2018

- Conceptualized and implemented Homomorphic Encryption banking application implementing RSA and Paillier algorithms for mathematical operations using Windows Apache MySQL and PHP (WAMP) stack
- Deployed website explaining working of homomorphic encryption system with intermediate steps

AWARDS AND INTERESTS

- Chartered Rotaract Club of GIT and served as Charter President to raise ₹350,000 (\$5,000) for underprivileged
- Secured 2nd Rank in All-India Badminton Rankings; led Badminton team for 4 years to win 8 tournaments
- Formed and led organizing teams to conduct 8 events fostering software development skills for 370 students
- Chaired 12 student associations with 80 members; conducted committee meetings to plan and organize 24 events