ABHISHEK DINKAR RAUT

30 Leroy St, Binghamton, NY 13905 | (607) 444-2396 | araut1@binghamton.edu | www.abhishekraut.com

EDUCATION

Binghamton University, State University of New York   August 2017-May 2019
Master of Science in Computer Science   GPA: 3.3/4.0
Sant Gadge Baba Amravati University, Amravati, India   August 2010-May 2014
Bachelor of Engineering in Electronics and Telecommunication Engineering   GPA: 4.0/4.0

TECHNICAL SKILLS

- Java, Python, C#, C++, C, PL/SQL, HTML, CSS, JavaScript
- .NET Framework, Spring Framework, Ruby on Rails, Node.js, ReactJS, Redux, SOAP, REST, MS SQL Server, PostgreSQL, MongoDB
- Google Cloud Platform, Amazon AWS, TensorFlow, Docker, Kubernetes, Selenium, Maven, Ant, Git, TFS, Shell
- Agile Methodology, Scrum, Maintenance, Debugging, SDLC, TDD, CI/CD pipeline, Microservices, Client-facing, Leadership, AI Development (4 Research publications), Enterprise IT infrastructure

EXPERIENCE

Live in Bing, Binghamton, NY   May-August 2018
Data Science Intern
- Built a web application and machine learning model (Python and TensorFlow) for collecting and processing real estate data to meet business goals related to Rent and Customer satisfaction prediction

Last Minute Preparation, Amravati, India   December 2015-July 2017
CEO and Founder
- Collaborated with a cross-functional team of seven individuals to provide Software training to 600+ engineering students and achieved 250+ placements
- Developed a Student Enrollment software (ASP.NET MVC 5) for Sipna College of Engineering and Technology, India

Infosys Limited, Mysore, India   December 2014-December 2015
Systems Engineer (.NET Developer)
- **Document Management System:** Provided full life cycle support to the client (Infosys) from initial client interaction and requirement analysis through design, coding, testing, debugging, software implementation, and integration
- **Maker-Checker Browser:** Developed a LOB application for Infosys's claims processing workflow with features for Document Management, Profile Management, Audit Trail, and Reports
- **Large File Master Client:** Developed a LOB application to access media resources from the server and manage audio, video, and image contents with size above 30 MB

Massachusetts Institute of Technology (MIT) Media Lab, Cambridge, MA   January-February 2014
Software Engineering Intern (Grassroots Engineering)
- Designed a Smart Gas Stove with Burner Dial settings and Timer Smartphone functionality using Raspberry Pi to control Servo Motor by Android Smartphone over Wi-Fi
- Achieved a 30% increase in cooking time efficiency and a 20% decrease in monthly expenditure for Dharavi Catering Businesses

PROJECTS

Medical Image Registration System   February 2018– December 2018
Research Project, Professor Dr. Weiying Dai's Lab, Binghamton University, NY
- Developed a Deep Learning tool (Python) for registering Computerized Tomography scan of the kidney
- Built a registration framework based on a three-dimensional convolutional neural network that directly learns transformations between pairs of three-dimensional images

GPS Coordinates Emergency Alert Application   August 2018- December 2018
Academic Project, Binghamton University, NY
- Developed an Android application with functionality to send a Location Alert message while saving critical time during an emergency
- Used Accelerometer sensor and Kalman Filter Algorithm to recognize Shake Gesture and Google Fused Location Provider API

Recommender System   January 2018-May 2018
Academic Project, Binghamton University, NY
- Developed a recommender system (Java) using the collaborative filtering approach
- Used item-based collaborative filtering and adjusted cosine similarity to compute the item similarity
- Predicted the missing values for a user by the weighted sum approach

Control Model of Adaptive Headlight System   August 2012-December 2013
Independent Work, IETE Cynosure (ICCEEE-2013), Lonere, India
- Developed an Adaptive Headlight Microcontroller based system (C++) using the CAN bus protocol
- Designed a system to control LED headlights based on steering rotation and vehicle yaw rotation
- Awarded the Institution of Electronics and Telecommunications Engineers (IETE) Mumbai Centre's Young Researchers Award (selected from 110 national and international researchers)