

Umang Pandya

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EDUCATION

• UNIVERSITY OF COLORADO, USA	Master of Science - Computer Science	3.67/4.00 GPA	Aug'19 - Present
• CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, ANAND, INDIA	Bachelor of Technology - Computer Engineering	3.98/4.00 GPA	Jul'15 - Apr'19

SKILLS

• Programming	Java, C, C++, Python, XML, FXML, HTML, CSS, JS, jQuery, PHP, AJAX, Magento PHP, OpenGL, Groovy, Shopify Liquid
• Database and Cloud Based	SQL, MySQL, SQLite, PostgreSQL, Hibernate, Google Cloud platforms, Squirrel SQL, Firebird, AWS Cognito
• Platform and Tools	Linux, Android Studio, Eclipse, QT, Arduino CC, AD Missile, Smart Draw, UML, Simulink, GitHub, IntelliJ, Visual Studio
• Hardware and Sensors	Arduino, Ultrasonic, Buzzer, Infrared, GPS, GPRS

PROFESSIONAL EXPERIENCE

09/21-Present	Dish Networks	(Java, JS, Node JS, Groovy, Python, MySQL)	Software Developer
<ul style="list-style-type: none">Identified possible production failure scenarios, created incident tickets, suggested enhancements and/or issue tickets in ticket tracking system, and communicated effectively with development and internal business operations team.Took ownership of escalations and performed troubleshooting, analysis, research, to enlisted proper representation from other IT support teams, and to drive towards resolution using advanced query and programming skills. Work closely with all support partners.Implementing updates for OnTech Smart Service website to improve user experience and add new functionality like upsell and new inventory items for new partners using shopify liquid, and JS. Performed database update on daily basis to expand scope of sold products and installation services to more zip-code areas.			
01/20-05/21	University of Colorado – Denver	(Graduate Algorithms, Embedded System Programming, Software and Hardware Programming, IoT, Computer Architecture)	Graduate Teaching Assistant
<ul style="list-style-type: none">Organizing hackathon based on core concepts of Algorithms, Leading laboratory section of 35+ students, facilitating discussions, solving problems, and addressing student's issues, creating weekly plans, activities and administering exams throughout the semester.			
08/20-12/20	University of Colorado – Denver		Graduate Research Assistant
<ul style="list-style-type: none">Developing software for mobile battery enhancement and carrying out other duties that are in direct support of instructional activities like developing labs for courses, leading discussions or laboratory experiences, peer mentoring etc.			
12/18-04/19	Easyway 3E Solutions Private Limited, Vadodara, India	(Java, JavaFX, PostgreSQL, Selenium)	Software Developer Intern
<ul style="list-style-type: none">Implemented desktop application using core Java and AWT, JavaFx, GWT technologies and Scene Builder Tool for front-end design. Implemented solutions built upon object oriented and MVC programming best practice using Agile development methodology.Compiled raw data retrieved from server and displayed them in an appropriate format. Managed and updated processed data to suitable server data format on client's server using API based application.Developed a robotic bot which can open browser, load application, login, post advertisements on Snapdeal, Amazon, and Flipkart, logout user and close the browser in background using Selenium and Web Chrome Driver. Participated in all the aspects of desktop application life cycle.			
05/18-06/18	HUBiNCRED, Vadodara, India	(Java, XML, SQLite, Firebase)	Software Developer Intern
<ul style="list-style-type: none">Developed an android application for coaching class to manage student's attendance and Q&A Sessions using agile development methodology.Managed front-end implementation based on life cycle and XML coding standards. Managed data using Google Firebase and used core Java for background data abstraction and logic building.			
12/17-12/18	CHARUSAT University, Anand, India	(HTML, CSS, PHP, JAVA, XML, MySQL)	Team Lead
<ul style="list-style-type: none">Provided technical assistance for all the events as team lead. Designed web portal for university's cultural and sports events using UMLET and Smart Draw. Developed android and web application for university's national level technical event and dance festival using HTML, CSS, JS, and jQuery for front-end and core Java, XML for backend.Worked as Executive Central Council member wherein I got the opportunity to grow and evolve interpersonally. Extensively managed national level tech-fests, cultural fests and other events being held by the university which in-turn strengthened my soft skills.			

PROJECTS

08/20-12/20	Twitter Bot Detection	(Python 3, Pandas, Numpy, Seaborn, Matplotlib, SkLearn)
<ul style="list-style-type: none">Performed Exploratory Data Analysis (EDA) to extract feature needed to perform detection of user on twitter.Implemented machine learning program that performs user detection based on bag-of-word model on certain features and algorithm that provides AUC>95%.		
06/20-07/20	Restaurant Android Application	(JAVA, XML, Google Cloud Platform (Firebase, Maps), AWS Cognito)
<ul style="list-style-type: none">Developed an android application that can perform authentication for user using AWS Cognito cloud platform to store and retrieve data.Implemented API calls for firebase to retrieve data about restaurants and google maps by connecting to GCP to display restaurants using RecyclerView and in form of custom markers plotted on google maps.		
01/20-04/20	Image caption Generator	(Python, JupyterLab, Tensorflow, Keras, Pillow, numpy, tqdm)
<ul style="list-style-type: none">Built a deep learning system which will extract image features from Xception which is CNN model trained on imagenet dataset and then will feed this feature into LSTM model which will generate caption for input image in form of text.		
01/18-04/18	Smart Cane-Stick for Blind People	(S/W: HTML, C++, Firebase; H/W(modules): GPS, GSM, LDR, infrared)
<ul style="list-style-type: none">Developed and designed prototype called 'Smart Cane-Stick' for blind individuals which can help detect obstacle using Ultrasonic Sensors, LDR detector, Remote control, GSM-GPRS, GPS modules.Developed a web application which can track live location of blind individuals using HTML5, Google Maps API, JS, CSS3.		
04/18-06/18	Store Inventory System	(JAVA, JavaFx, CSS, MySQL, HTML)
<ul style="list-style-type: none">Developed a desktop application that can perform all CRUD operations on a seller or buyer entity on MySQL database with user-friendly UI implemented in form JavaFx.Implemented CSS along with JavaFx to give visual effects like hovering and onClick button event, there by displaying in table view layout.		