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R AJIV P ARAJULI

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EMPLOYMENT

Web Developer, Contract	**VirtuPharma, Sydney**	**Feb 2020 – Apr 2020**

- UI refinements in VirtuPharma's marketplace landing page
- Minor bug fixes

Software Test Engineer	**Spark Technology Pty. Ltd., Kathmandu**	**Nov 2015 – Jan 2019**

- Performed test automation using Selenium in Java
- Tested REST APIs using Postman and databases using Microsoft SQL Server
- Load and performance testing of APIs and Stored Procedures using JMeter
- Prepared test reports and risk assessment matrices
- Participated in Sprint planning
- Test execution on various levels (System, Regression, Smoke)
- Used a formal bug tracking system to report issues and worked with engineering teams to help isolate, debug and resolve bugs

EDUCATION

Sydney, NSW	**Federation University Australia**	**Nov 2020**

M. Tech. in Software Engineering. GPA: 6.20
Coursework: Software Engineering Methodologies, Software Engineering: Analysis and Design, Software Testing, Data Mining and Warehousing, Computer Networks, ICT Project Management

Kathmandu, Nepal	**Tribhuvan University, IoE**	**2016**

B.E. in Computer Engineering. 66.52%
Coursework: OOP, Object Oriented Analysis and Design, Theory of Computation, Discrete Mathematics, Data Structures and Algorithms, Computer Organization and Architecture, Computer Graphics, Operating Systems, Embedded Systems, Artificial Intelligence, Big Data Technology, Computer Networks, Databases

TECHNICAL EXPERIENCE

Projects

- **Tasman Salinity and Temperature Applet** (2020). • Observe the effects of electromagnetic attenuation on underwater communication • Constructing a database with tables for conductivity, depth, and temperature across the Tasman Sea • Implementing a feature that allows user to upload dataset in CSV format and showing corresponding charts • Creating admin users with authority to modify data and normal unregistered users to view and interact with the app • Python, Django, SQLite, HTML5, CSS, JavaScript
ditchtech.pythonanywhere.com
- **Video Codec Design and Development** (2016). • Reducing the size of video file without compromising quality • Involves partition of video into image frames, Discrete Cosine Transformation and encoding • Python, Node.js, Bootstrap
- **Review Sentiment Analyzer** (2015). • Classifying users' opinion into positive or negative polarity • Involves Natural Language Processing, tokenization and stemming of text • Python (Django), HTML, CSS, JavaScript

ADDITIONAL EXPERIENCE AND AWARDS

- **Institute of Engineering (IoE) Merit Scholarship.** Received 100% scholarship for the duration of study
- **Microsoft Specialist** (2013)**.** Programming in HTML5 with JavaScript and CSS3
- **Microsoft Certified Professional** (2013)**.** Windows Server Administration Fundamentals

Languages and Technologies

- C++; C; Java; Python; JUnit; SQL; JavaScript; HTML5; CSS3
- Eclipse; Visual Studio Code; Microsoft SQL Server; JMeter; Postman; XAMPP